Usenet Newsgroup Archive: rec.radio.amateur.homebrew

2011

These Usenet messages were preserved as a plain-text archive. This PDF was generated by Digital Library of Amateur Radio & Communications from the source text file in 2026.

Date span: 2011-01-01 through 2011-12-31

Source text: rec.radio.amateur.homebrew.txt

Source item: https://archive.org/details/usenet-rec

Messages included in this PDF: 727

Message records with no readable body available in the source text: 2

Messages are presented chronologically by archived date.

Binary or encoded payloads are not printed as blocks of encoded text; a placeholder appears where such material was detected. The original source text is unchanged.

1. Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-01 02:36:40 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <_qwTo.556078$Yn5.529346@en-nntp-14.dc1.easynews.com>
Source record: 1061

I'm designing an IF filter for a receiver that's placed at the output of a passive (diode-type) mixer. While the mixer's RF input is being fed with a (nominally) 50ohm source, is it correct to think that "looking" back into the IF port the filter is going to "see" a 50ohm impedance as well? (Normally I'd have a buffer stage right after the mixer to re-establish impedance levels, but in this case I'm trying to keep things low-power and hence directly feed the mixer's output into the filter.)

Thanks,
---Joel

2. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-01 07:00:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1293865200@panix.com>
Source record: 1062
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

3. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-01 09:23:10 UTC
From: Piero Soldi <piero.soldi@libero.it>
Message-ID: <2oCTo.8201$0b.6294@twister2.libero.it>
Source record: 1063

```
Il 01/01/2011 3.36, Joel Koltner ha scritto:
> I'm designing an IF filter for a receiver that's placed at the output of
> a passive (diode-type) mixer. While the mixer's RF input is being fed
> with a (nominally) 50ohm source, is it correct to think that "looking"
> back into the IF port the filter is going to "see" a 50ohm impedance as
> well? (Normally I'd have a buffer stage right after the mixer to
> re-establish impedance levels, but in this case I'm trying to keep
> things low-power and hence directly feed the mixer's output into the
> filter.)
>
> Thanks,
> ---Joel
>

Yes,but only if the other two ports are closed with 50 ohm...

Happy new year,

Piero.

P.S: Beware of filters, they are highly reactive outside their
resonant frequency, so (they) reflect back signals with
worsening behaviour of mixer ( spurs ).
P.
```

4. happy new year

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-01 16:11:46 UTC
From: philo <philo@privacy.not>
Message-ID: <7nITo.87$7O2.73@newsfe04.iad>
Source record: 1064

http://www.lagmonster.info/humor/handclock.html

5. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-02 00:50:12 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <ifoi4b$ue6$1@news.eternal-september.org>
Source record: 1065

On 01/01/2011 04:23 AM, Piero Soldi wrote:
> Il 01/01/2011 3.36, Joel Koltner ha scritto:
>> I'm designing an IF filter for a receiver that's placed at the output of
>> a passive (diode-type) mixer. While the mixer's RF input is being fed
>> with a (nominally) 50ohm source, is it correct to think that "looking"
>> back into the IF port the filter is going to "see" a 50ohm impedance as
>> well? (Normally I'd have a buffer stage right after the mixer to
>> re-establish impedance levels, but in this case I'm trying to keep
>> things low-power and hence directly feed the mixer's output into the
>> filter.)
>>
>> Thanks,
>> ---Joel
>>
>
> Yes,but only if the other two ports are closed with 50 ohm...
>
> Happy new year,
>
> Piero.
>
> P.S: Beware of filters, they are highly reactive outside their
> resonant frequency, so (they) reflect back signals with
> worsening behaviour of mixer (spurs).
> P.
>
>
Put a diplexor between the output of the mixer and the filter. Use a
matching transformer between the filter and the mixer so the mixer will
see a 50 ohm impedance. In my case I assumed the filter had an
impedance of about 500 ohms so I am going to use a 1:9 (1:3 turns ratio)
between the mixer and the filter. This transformer will be a trifiler
wound toroid and will be wired as an autotransformer. (the three
windings in series connect to the filter and ground, a tap on the first
winding up from ground will go to the mixer). The diplexor consistes of
a series resonant circuit between the mixer and the filter. In parallel
with this series resonant circuit are two 51 ohm resistors in series
with a parallel resonant circuit between the two resistors and ground.
Select the L&C to resonant at the IF frequency with a Q of 1.

6. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-02 05:10:47 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <6ab27ffa-eaac-4041-bd89-24184bc7fc6f@o14g2000yqe.googlegroups.com>
Source record: 1066

On Dec 31 2010, 6:36 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com>
wrote:
> I'm designing an IF filter for a receiver that's placed at the output of a
> passive (diode-type) mixer. While the mixer's RF input is being fed with a
> (nominally) 50ohm source, is it correct to think that "looking" back into the
> IF port the filter is going to "see" a 50ohm impedance as well? (Normally I'd
> have a buffer stage right after the mixer to re-establish impedance levels,
> but in this case I'm trying to keep things low-power and hence directly feed
> the mixer's output into the filter.)
>
> Thanks,
> ---Joel

Normally the LO port is driven hard enough that one pair or the other
of the diodes looks like a low resistance almost all the time. Thus
the source impedance feeding the RF port is echoed, plus a little, to
the IF port, assuming 1:1 transformers in the mixer. As I recall, I
measured something close to 60 ohms for one MiniCircuits mixer
(probably a +7dBm type), under conditions I don't recall now other
than that they were nominally as you're describing. As Ken Scharf
says, it's good to use a diplexer to maintain a constant load at all
frequencies.

Cheers,
Tom

7. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-04 03:09:05 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <mbwUo.84219$Mg5.76673@en-nntp-06.dc1.easynews.com>
Source record: 1067

Thanks guys, I appreciate all the help.

The filter is a bandpass filter (the IF is 45MHz), though, so don't I really need a triplexor if I really want to wideband terminate the mixer "nicely?" (Low-, band-, and high-pass outputs.) Although my understanding is that "triplexor" in this context can consist of a single inductor for the low-pass port and a single capacitor for the high-pass port, which certainly is quite doable.

---Joel

8. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-04 19:15:16 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <4a8cf05f-a41d-4b00-9d52-01f4883f0f58@r16g2000prh.googlegroups.com>
Source record: 1068

On Jan 3, 7:09 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> Thanks guys, I appreciate all the help.
>
> The filter is a bandpass filter (the IF is 45MHz), though, so don't I really
> need a triplexor if I really want to wideband terminate the mixer "nicely?"
> (Low-, band-, and high-pass outputs.) Although my understanding is that
> "triplexor" in this context can consist of a single inductor for the low-pass
> port and a single capacitor for the high-pass port, which certainly is quite
> doable.
>
> ---Joel

?? So, "triplexor" to me means something with three bands, which you obviously won't do with just a high pass and a low pass. In any event, the goal is to keep a reasonably constant load on the mixer at all frequencies where it may have significant output. The distortion generated by a mixer depends on the load it sees.

If you go straight into a crystal filter from the mixer, it can be problematic to get a constant load impedance, since the impedance looking into the filter changes so rapidly in the sharp transition between passband and stopband. For example, if your passband is 44.99 to 45.01 and the mixer output has strong signals at 44.96 and 44.98, how can you, with a practical LC circuit, make sure those signals are terminated in an impedance which maintains low distortion, while still passing the signals in that range to the sharp filter? Note that 3rd order intermod between those two out-of-band signals I suggested lands right in the middle of the crystal filter bandpass. That's why you want to be sure to terminate the mixer in an impedance that doesn't lead to excessive distortion (in particular, distortion products that can land in the passband of the crystal filter). I think a reasonable answer is to learn what range of termination impedance causes problems, and what range is OK. For example, it may be bad if the mixer is terminated in an "open", but of relatively little consequence if it's terminated in a "short." That gives you a handle on how to achieve the lowest practical distortion--which is generally the whole point of controlling the load impedance seen by the mixer over a wide frequency range.

Cheers,
Tom

9. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-05 02:54:43 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <W3RUo.90814$Ud7.35387@en-nntp-16.dc1.easynews.com>
Source record: 1069

Hi Tom,

"K7ITM" <k7itm@msn.com> wrote in message
news:4a8cf05f-a41d-4b00-9d52-01f4883f0f58@r16g2000prh.googlegroups.com...
>?? So, "triplexor" to me means something with three bands, which you
>obviously won't do with just a high pass and a low pass.

What I meant was... output of mixer to parallel connectors of (1) the crystal filter (bandpass) , (2) series inductor/resistor (low-pass), and (3) series capacitor/resistor (high-pass), hence, a triplexor.

But I realize now that a duplexor is just as viable, consisting of a parallel connection of (1) the crystal filter (bandpass) and (2) a parallel LC resonsator in series with a resistor (bandstop).

> In any
> event, the goal is to keep a reasonably constant load on the mixer at
> all frequencies where it may have significant output. The distortion
> generated by a mixer depends on the load it sees.

Yeah, I see what you mean. I should do some actual measurements to see just how much improvement is possible with a proper wideband termination...

Thanks for the help!

---Joel

10. TAMIL ACTRESS HOT PHOTOS&VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-05 15:11:06 UTC
From: RHANI <raghavaraghavi2862@gmail.com>
Message-ID: <c5a1aeb4-942e-4d66-b0c0-4e91fcd7fc23@21g2000prv.googlegroups.com>
Source record: 1070

UNSEEN HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/never.html
SEXY DIYA MIRZA
http://karomasti9.blogspot.com/2010/12/diya-mirza.html
HOT AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aish.html
priyamani hot&sexy photos
http://karomasti9.blogspot.com/2010/12/priyamani.html
KATRINA SEXY PHOTOS
http://karomasti9.blogspot.com/2010/12/katrina.html
ANUSHKA HOT PHOTOS
http://karomasti9.blogspot.com/2010/12/anuska.html
BEAUTIFUL AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aiesh.html
TRISHA HOT PHOTOS
http://karomasti9.blogspot.com/2010/11/trisha-hot.html
AMISHAPATEL HOT VIDEOS
http://karomasti9.blogspot.com/search/label/amisha
HANSIKHA HOT SEXY PHOTOS
http://karomasti9.blogspot.com/search/label/HANSIKA
HOT SEXY COLLEGE GIRLS
http://karomasti9.blogspot.com/search/label/hot
BEAUTIFUL LARADATTA
http://karomasti9.blogspot.com/search/label/laradatta
NIKISHA HOT BOOBS
http://karomasti9.blogspot.com/search/label/nikisha
PRIYANKA SPICY LATEST PICS
http://karomasti9.blogspot.com/search/label/priyanka
ONLY FOR YOUTH
http://karomasti9.blogspot.com/search/label/spicy
SRILEKHA UNSEENED PHOTOS
http://karomasti9.blogspot.com/search/label/Srilekha
CHOPRA UNBELIVABLE PHOTOS
http://karomasti9.blogspot.com/search/label/chopra
HOT BIPASA BASU PHOTOS
http://karomasti9.blogspot.com/search/label/bipasa
TRISHA IN A SEXY FEEL
http://karomasti9.blogspot.com/search/label/thrisha
SRISHA HOT BOOBS SHOW
http://karomasti9.blogspot.com/search/label/srisha
BEAUTIFUL POONAM PHOTOS
http://karomasti9.blogspot.com/search/label/poonam

11. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-05 22:42:50 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <f2ce4287-d0e9-4df5-8233-fedc02945933@32g2000yqz.googlegroups.com>
Source record: 1071

On Jan 4, 6:54 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> Hi Tom,
>
> "K7ITM" <k7...@msn.com> wrote in message
>
> news:4a8cf05f-a41d-4b00-9d52-01f4883f0f58@r16g2000prh.googlegroups.com...
>
> >?? So, "triplexor" to me means something with three bands, which you
> >obviously won't do with just a high pass and a low pass.
>
> What I meant was... output of mixer to parallel connectors of (1) the crystal
> filter (bandpass) , (2) series inductor/resistor (low-pass), and (3) series
> capacitor/resistor (high-pass), hence, a triplexor.
>
> But I realize now that a duplexor is just as viable, consisting of a parallel
> connection of (1) the crystal filter (bandpass) and (2) a parallel LC
> resonsator in series with a resistor (bandstop).
>
> > In any
> > event, the goal is to keep a reasonably constant load on the mixer at
> > all frequencies where it may have significant output. The distortion
> > generated by a mixer depends on the load it sees.
>
> Yeah, I see what you mean. I should do some actual measurements to see just
> how much improvement is possible with a proper wideband termination...

Well, as the second paragraph of my previous posting hints, a 50 ohm
termination at all frequencies may actually not be optimal. There's
no law of physics, as far as I know, that says the mixer's lowest
distortion (especially distortion products that fall in the following
filter's passband) happens when it's loaded by 50 ohms. If you set up
to make some measurements, you may find that you actually get lower
distortion at some other load impedance. Perhaps optimal for the
mixer's performance would be a 50 ohm load in the filter passband, to
maximize signal output, and, say, a short at all other frequencies.
I'm not saying it IS that way for any given mixer, and perhaps not for
ANY mixer, but it's a question worth pondering if you're looking for
the best possible distortion performance.

But then you'll find the next problem: the input impedance of the
crystal filter will change dramatically, very quickly, in the region
of its passband -- and likely will be capacitive on one side of the
passband and inductive on the other side. Assuming it's a reflective
design with low internal dissipation, by definition it must reflect
out-of-band energy (and pass in-band energy to the load at the other

end of the filter). Given that situation, how do you design a circuit that will maintain the load impedance you want for your mixer, for frequencies a little below the filter passband, in the filter passband, and a little above the filter passband? If you try to do it with inductors and capacitors, where do you get parts with high enough Q to allow the required extremely rapid change of impedance near the filter's center frequency? Or do you just accept that the distortion won't be optimized? Or do you throw away some of the signal and put in a bit of attenuation (a 50 ohm pad) between mixer and filter? Or do you go looking for the "Holy Grail": a buffer amplifier that runs on low power and offers good input and output return loss, a third order intercept that doesn't degrade further what the mixer has already done, and a good enough noise figure? The buffer amplifier can solve the matching problems (at least if you're happy with a constant load, e.g. 50 ohms, on the mixer), but it's not trivial to find an amplifier that will do what you need without introducing problems worse than the cure.

As you think about all this stuff, it becomes easy to see why nobody has yet built the perfect receiver. ;-)

Cheers,
Tom
>
> Thanks for the help!
>
> ---Joel

12. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-05 23:10:40 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <ST6Vo.91652$Mg5.15525@en-nntp-06.dc1.easynews.com>
Source record: 1072

"K7ITM" <k7itm@msn.com> wrote in message
news:f2ce4287-d0e9-4df5-8233-fedc02945933@32g2000yqz.googlegroups.com...
>As you think about all this stuff, it becomes easy to see why nobody
>has yet built the perfect receiver. ;-)

Hey, I was at a conference some five years or so ago now where some high-level muckety-muck from Intel got up there and claimed that within a few years we're be connecting antennas straight to ADCs and radios would henceforth be 100% digital... :-)

Of course, it is a bit easier to build a good radio when you're operating in, e.g., the cell phone bands and by law you control the spectrum (no big intereferes), you manage the power of all the transmitters dynamically (limited self-interference), etc.!

13. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 01:16:12 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1101052013390.26603@darkstar.example.net>
Source record: 1073

On Wed, 5 Jan 2011, Joel Koltner wrote:

> "K7ITM" <k7itm@msn.com> wrote in message
> news:f2ce4287-d0e9-4df5-8233-fedc02945933@32g2000yqz.googlegroups.com...
>> As you think about all this stuff, it becomes easy to see why nobody
>> has yet built the perfect receiver. ;-)
>
> Hey, I was at a conference some five years or so ago now where some
> high-level muckety-muck from Intel got up there and claimed that within a few
> years we're be connecting antennas straight to ADCs and radios would
> henceforth be 100% digital... :-)
>
No, that just means the potential is there for "the perfect receiver".
Even if the hardware is "perfect", the software still has to be written.

> Of course, it is a bit easier to build a good radio when you're operating in,
> e.g., the cell phone bands and by law you control the spectrum (no big
> intereferes), you manage the power of all the transmitters dynamically
> (limited self-interference), etc.!
>
>
Like that classic FM broadcast receiver in the old GE Transistor Manual.
A tunnel diode acting as an oscillator and mixer, it drops to an IF about
200KHz, where there is a pulse counting detector. It works because one
can live with the image frequencies, and one knows where all the wanted
signals will be.

Michael VE2BVW

14. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 02:46:02 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <f0407cef-0847-4699-a8dc-98545495115f@r19g2000prm.googlegroups.com>
Source record: 1074

On Jan 5, 3:10 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> "K7ITM" <k7...@msn.com> wrote in message
>
> news:f2ce4287-d0e9-4df5-8233-fedc02945933@32g2000yqz.googlegroups.com...
>
> >As you think about all this stuff, it becomes easy to see why nobody
> >has yet built the perfect receiver. ;-)
>
> Hey, I was at a conference some five years or so ago now where some high-level
> muckety-muck from Intel got up there and claimed that within a few years we're
> be connecting antennas straight to ADCs and radios would henceforth be 100%
> digital... :-)
>
> Of course, it is a bit easier to build a good radio when you're operating in,
> e.g., the cell phone bands and by law you control the spectrum (no big
> intereferes), you manage the power of all the transmitters dynamically
> (limited self-interference), etc.!

Well, I guess it was about four years ago now we introduced a 100kHz to ~35MHz receiver that practically does that. There are gain stages, attenuators and some selectable filtering in front of the ADC, but our customers want to be able to "listen" to the whole band at once, so you can switch the filtering all out if you want. I did most of the hardware, up to the signal processing. We've gotten feedback from some customers that it's the best receiver (for that purpose) that they can buy. It's particularly spur/residual-free: I added some copper tape to one to see just how good I could make it, and the worst residual is about -144dBm at the switching frequency of one of the switching POL regulators (around 600kHz). Worst residual above 1MHz is about -154dBm. I think it's fair to say that's pretty hard to do with a general-coverage superhet design. But neither the hardware nor the software that goes with it are inexpensive enough to worry that it's going to replace other ways to do it any time soon--and the performance doesn't quite equal what you can do with a really good single-signal superhet design. Check in again in a few years, assuming that there's enough economic incentive for ADC designers to give us a little bit better parts. There are some claims out there for really stellar ADC performance with Josephson junctions, but they require cryogenics, and from what I've heard not all the claims are substantiated...

By the way, the gain that's available in front of the ADC in this design is mostly there because customers expect to need the gain, based on previous experience. In a perfect world where they really understood what's needed, I could have gotten by with maybe 10dB

maximum available voltage gain between the antenna and the ADC. I'm more worried about how to gracefully handle big signals--much more worried. What do you do about the plethora of short wave broadcast signals, several of which can each be up to perhaps 0dBm out of your antenna, or the fellow just down the street (or on the same ship, etc.) who keys up a transmitter and feeds +20dBm to your receiver -- WHILE you want to keep listening to the signal that's only -110dBm at your receiver?

Cheers,
Tom

15. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 04:01:35 UTC
From: Doug Edwards <Doug.Edwards.76b04d8@radiobanter.com>
Message-ID: <Doug.Edwards.76b04d8@radiobanter.com>
Source record: 1075

'Joel Koltner[_2_ Wrote:
> ;727651']I'm designing an IF filter for a receiver that's placed at the
> output of a
> passive (diode-type) mixer. While the mixer's RF input is being fed
> with a
> (nominally) 50ohm source, is it correct to think that "looking" back
> into the
> IF port the filter is going to "see" a 50ohm impedance as well?
> (Normally I'd
> have a buffer stage right after the mixer to re-establish impedance
> levels,
> but in this case I'm trying to keep things low-power and hence directly
> feed
> the mixer's output into the filter.)
>
> Thanks,
> ---Joel

Hi Joel. In my experiance with diode ring mixers they almost always require specific impeadance terminations on all ports. The input should look at 50 ohms, the L.O the same. The I.F port is the most important to terminate properly if the desired switching or mixing products are to be produced. In many receivers designed for high dynamic range the I.F of the diode ring is terminated into the base circuit of a very strong bipolor transistor stage using feedback many times. Because of the feedback used and particular biasing this stage can be designed tolook like near 50 ohms to the I.F port of the diode ring. This is not enough many times though. This same transistor amp stage then many times drives a crytal I.F filter that can have the correct 50 ohm term if designed that way but this term will only be 50 ohms very near the passband of the filter and frequencies that depart from this 50 ohm passband away from this freq causing this hi SWR to reflect the incorect impeadance back through the output to input of the amp missmatching the diode ring. Amp.s that use heavy feedback are even worse in this respect. In cases like this the designer many times hooks a 50 ohm pad (such as 6 db) to force a decent 50 ohm load back through the amp to the mixer. This mixer termination stuff is quite important if the mixer is to work as it should.In situations where lower dynamic range is desired for battery drain, etc, this termination MUST be provided for in other ways. The same thing holds true for direct conversion or zero I.F receive schemes, the audio preamp is biased and designed for a 50 ohm term for the diode ring. Much can be learned in literature such about this topic from Solidstate Design for the Radio Amateur, Experimental Methods in Radio Design, both by coauthor Wes Hayward, W7ZOI and much

can be learned from publications by Minicircuit Lab's, the builders of many high quality DBM's for industry. Check the web, much can be learned. 73's, Doug,

--
Doug Edwards

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I do not review the forums, just send me an email.

- Materials Engineering :

Solution manual Fundamentals of Modern Manufacturing : Materials, Processes, and Systems (3rd Ed., Mikell Groover)
Solution manual Fundamentals of Modern Manufacturing : Materials, Processes, and Systems (4th Ed., Mikell Groover)
Solution manual Fundamentals of Manufacturing (2nd Ed., Philip D. Rufe)
Solution manual Principles of Metal Manufacturing Processes (Beddoes & Bibby)
Solution manual Materials Science for Engineering Students (Traugott Fischer)
Solution manual Essentials of Modern Materials Science and Engineering (James Newell)
Solution manual Materials Science and Engineering : An Introduction (6th Ed., William Callister)
Solution manual Materials Science and Engineering : An Introduction (7th Ed., William Callister)
Solution manual Materials Science and Engineering : An Introduction (8th Ed., William Callister)
Solution manual Fundamentals of Materials Science and Engineering : Integrated Approach (2nd Ed., William Callister)

Solution manual Fundamentals of Materials Science and Engineering : Integrated Approach (3rd Ed., William Callister)
Solution manual Science and Design of Engineering Materials (2nd Ed., Schaffer, Saxena, et al)
Solution manual Manual of Mineral Science (23rd Ed., Cornelis Klein & Barbara Dutrow)
Solution manual Materials and Processes in Manufacturing (9th Ed., E. Paul DeGarmo, J. T. Black, Ronald A. Kohser)
Solution manual DeGarmo's Materials and Processes in Manufacturing (10th Ed., E. Paul DeGarmo, J. T. Black, Ronald A. Kohser)
Solution manual Foundations of Materials Science and Engineering (3rd Ed, Smith)
Solution manual Foundations of Materials Science and Engineering (4th Ed, Smith & Hashemi)
Solution manual Foundations of Materials Science and Engineering (5th Ed, Smith & Hashemi)
Solution manual Engineering Materials Science (Milton Ohring)
Solution manual Metal Fatigue in Engineering (2nd Ed., Stephens, Fatemi & Fuchs)
Solution manual Mechanical Behavior of Materials (3rd Ed. Dowling)
Solution manual Mechanical Behavior of Materials (W.F. Hosford)
Solution manual Mechanical Behavior of Materials (Keith Bowman)
Solution manual Deformation and Fracture Mechanics of Engineering Materials (4th Ed., Richard Hertzberg)
Solution manual From Polymers to Plastics (A.K. van der Vegt)
Solution manual Nanoengineering of Structural, Functional and Smart Materials (Mark Schulz, Ajit Kelkar, Mannur Sundaresan)
Solution manual Principles Of Polymer Systems (5th Ed., by Ferdinand Rodriguez, Claude Cohen, Christopher Ober, Lynden Archer)
Solution manual Introduction to the Thermodynamics of Materials (4th Ed. David Gaskell)
Solution manual Structure and Properties of Engineering Materiales (5th Ed., Daniel Henkel & Alan Pense)
Solution manual Plastics : Materials and Processing (3rd Ed., Strong)
Solution manual Engineering Materials : Properties and Selection (8th Ed., Budinski)
Solution manual Engineering Materials : Properties and Selection (9th Ed., Budinski)
Solution manual Introduction to Materials Science for Engineers (6th Ed., Shackelford)
Solution manual Introduction to Materials Science for Engineers (7th Ed., Shackelford)
Solution manual Introduction to Materials Science for Engineers - International Edition (7th Ed., Shackelford)
Solution manual Creative Design of Products and Systems (Saeed Niku)
Solution manual Materials : Engineering, Science, Processing and Design (1st Ed., Michael Ashby, Hugh Shercliff & David Cebon)
Solution manual Materials : Engineering, Science, Processing and Design (2nd Ed., Michael Ashby, Hugh Shercliff & David Cebon)
Solution manual Engineering Materials Vol. 1 : An Introduction to

Properties, Applications and Design (3rd Ed., Michael Ashby & David Jones)
Solution manual Engineering Materials Vol. 2 : An Introduction to Microstructures, Processing and Design (3rd Ed., Michael Ashby & David Jones)
Solution manual Materials and the Environment : Eco-informed Material Choice (Michael Ashby)
Solution manual Principles of Corrosion Engineering and Corrosion Control (Zaki Ahmad)
Solution manual Analysis and Performance of Fiber Composites (3rd Ed., Bhagwan Agarwal, Lawrence Broutman & K. Chandrashekhara)
Solution manual Basic Engineering Plasticity : An Introduction with Engineering and Manufacturing Applications (David Rees)
Solution manual Steels : Microstructure and Properties (3rd Ed. Bhadeshia & Honeycombe)
Solution manual Theory of Plasticity (3rd Ed. Jagabanduhu Chakrabarty)
Solution manual Plastics : Microstructure and Engineering Applications (3rd Ed., Nigel Mills)
Solution manual Laser Processing of Engineering Materials : Principles, Procedure and Industrial Application (John Ion)
Solution manual Sintering : Densification, Grain Growth and Microstructure (Suk-Joong Kang)
Solution manual Biomaterials : An Introduction (3rd Ed., Joon Park & R.S. Lakes)
Solution manual Biomaterials : The Intersection of Biology and Materials Science (Temenoff & Mikos)
Solution manual Biomaterials Science : An Introduction to Materials in Medicine (2nd Ed., Ratner, Hoffman, Schoen & Lemons)
Solution manual Tissue Engineering (Bernhard O. Palsson & Sangeeta N. Bhatia)
Solution manual Tissue Engineering (Clemens van Blitterswijk, et al.)
Solution manual Introduction to Materials Management (6th Ed., Arnold, Chapman & Clive)
Solution manual Fundamentals of Solid State Engineering (2nd Ed., Manijeh Razeghi)
Solution manual Smart Electronic Materials : Fundamentals and Applications (Jasprit Singh)
Solution manual Composite Materials : Science and Engineering (2nd Ed., Krishan K. Chawla)
Solution manual Laminar Composites (George Staab)
Solution manual Physical Metallurgy and Advanced Materials (7th Ed., R.E. Smallman & A.H.W. Ngan)

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contact me to : mattosbw1@gmail.com
mattosbw1(at)gmail.com

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25. ONLY HOT VIDEOS SEXY PHOTOS TO SEXY PEOPLE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 09:44:30 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <eba59f21-b6d9-43c5-8a98-ec7250304368@u25g2000pra.googlegroups.com>
Source record: 1085

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
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http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
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bollywood hot kiss
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http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
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http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

hot photos
http://photostou.blogspot.com/2010/09/bollywood-actress-photos-4.html

26. 2010 HOT UPDATES

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 15:56:55 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <767f4efc-67bb-4489-ace2-9aa24d5ce462@p7g2000prb.googlegroups.com>
Source record: 1086

UNSEEN HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/never.html
SEXY DIYA MIRZA
http://karomasti9.blogspot.com/2010/12/diya-mirza.html
HOT AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aish.html
priyamani hot&sexy photos
http://karomasti9.blogspot.com/2010/12/priyamani.html
KATRINA SEXY PHOTOS
http://karomasti9.blogspot.com/2010/12/katrina.html
ANUSHKA HOT PHOTOS
http://karomasti9.blogspot.com/2010/12/anuska.html
BEAUTIFUL AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aiesh.html
TRISHA HOT PHOTOS
http://karomasti9.blogspot.com/2010/11/trisha-hot.html
AMISHAPATEL HOT VIDEOS
http://karomasti9.blogspot.com/search/label/amisha
HANSIKHA HOT SEXY PHOTOS
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HOT SEXY COLLEGE GIRLS
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TRISHA IN A SEXY FEEL
http://karomasti9.blogspot.com/search/label/thrisha
SRISHA HOT BOOBS SHOW
http://karomasti9.blogspot.com/search/label/srisha
BEAUTIFUL POONAM PHOTOS
http://karomasti9.blogspot.com/search/label/poonam

27. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 17:47:47 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <9fnVo.498754$Ua4.352609@en-nntp-09.dc1.easynews.com>
Source record: 1087

"K7ITM" <k7itm@msn.com> wrote in message
news:f0407cef-0847-4699-a8dc-98545495115f@r19g2000prm.googlegroups.com...
On Jan 5, 3:10 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> What do you do about the plethora of short wave broadcast
> signals, several of which can each be up to perhaps 0dBm out of your
> antenna, or the fellow just down the street (or on the same ship,
> etc.) who keys up a transmitter and feeds +20dBm to your receiver --
> WHILE you want to keep listening to the signal that's only -110dBm at
> your receiver?

At work one of the products we sell to the military consists of a handful of electronically adjustable notch filters for precisely this purpose -- the output is fed to (someone else's) SDR.

...although our dynamic range isn't the 130dB+ that you'd need for your later example... (at least in some reasonable bandwidth...)

Your almost-all-digital HF receiver there sounds quite impressive. Do you give the user the option to adjust the switcher's frequency away from 600kHz if they happen to really want the best sensitivity right there? (...this seems to be the common approach with many a ham HF rig...)

---Joel

28. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 19:01:41 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <rkoVo.498759$Ua4.187730@en-nntp-09.dc1.easynews.com>
Source record: 1088

Thank you Doug; I'll go grab Wes's book from the shelf and do a bit more Googling.

---Joel

29. Re: Impedance of passive mixer's output

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-06 19:41:28 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <4f34cf6e-69b9-4b15-86f1-34c225efa2cc@k9g2000pre.googlegroups.com>
Source record: 1089

On Jan 6, 9:47 am, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> "K7ITM" <k7...@msn.com> wrote in message
>
> news:f0407cef-0847-4699-a8dc-98545495115f@r19g2000prm.googlegroups.com...
> On Jan 5, 3:10 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
>
> > What do you do about the plethora of short wave broadcast
> > signals, several of which can each be up to perhaps 0dBm out of your
> > antenna, or the fellow just down the street (or on the same ship,
> > etc.) who keys up a transmitter and feeds +20dBm to your receiver --
> > WHILE you want to keep listening to the signal that's only -110dBm at
> > your receiver?
>
> At work one of the products we sell to the military consists of a handful of
> electronically adjustable notch filters for precisely this purpose -- the
> output is fed to (someone else's) SDR.
>
> ...although our dynamic range isn't the 130dB+ that you'd need for your later
> example... (at least in some reasonable bandwidth...)
>
> Your almost-all-digital HF receiver there sounds quite impressive. Do you
> give the user the option to adjust the switcher's frequency away from 600kHz
> if they happen to really want the best sensitivity right there? (...this
> seems to be the common approach with many a ham HF rig...)
>
> ---Joel

Hi Joel,

I'm curious about the tunable notch filters. Is there a data sheet I
can find somewhere?

There's really no need to get the ~600kHz any lower. Any decent
antenna at that frequency will pick up way more atmospheric noise than
the level of the switcher residual. After all, -144dBm is only about
14 nanovolts RMS at 50 ohms. I think it's fair to say that any of our
customers looking for little signals will be using good antennas for
the job. Admittedly, a stock unit won't do that good, but it will be
in the neighborhood. Of course, the high noise level at ~1MHz is why
we get by with such crumby antennas for our portable and car AM
radios.

Cheers,
Tom

30. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-07 07:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1294383901@panix.com>
Source record: 1090
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

31. Re: SDR RF / IF gain and noise questions

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-07 21:35:01 UTC
From: Roupert <albertjones@yahoo.com>
Message-ID: <ig80u5tqn2@news.albasani.net>
Source record: 1091

On Wed, 29 Dec 2010 09:50:00 -0800, MarkAren wrote:

> Hi All,
>
> I am developing a small, low power SDR from the ground up, planned
> phases include:
>
> a) hardware development DSP and RF up-convertor b) algorithm development
> FM encode and decode c) algorithm development SSB encode and decode d)
> hardware development RX down-convertor, and IF gain, with AGC e)
> hardware development RX front-end f) hardware development TX amplifier
> g) hardware development LO generation (initially a signal generator)
>
> Phases a) and b) are complete and working to my satisfaction, phase c)
> is a couple of days away from completion, so it's time to start thinking
> about d)
>
> The IF is base-band (DC to 5kHz) I+Q, and the DSP on board ADC is
> capable of 10 bit resolution. I am planning to move to a 16 or 20 bit
> consumer audio codec in due course. Assume a 2V ADC reference in each
> case, so an LSB change for a 10 bit system will be around 2mV while and
> LSB change for a 16 bit system will be around 30uV.
>
> The down-convertor is an RF2703 which has 24dB gain and 24dB noise
> figure in the planned configuration.
>
> My question really revolves around noise figure and gain for the IF and
> RF front ends for use with 10 and 16 bit ADCs, and for use at 14MHz and
> 144MHz, also options where to put the AGC.
>
> First issue really is 'what is appropriate performance' for the front
> ends ? At 144Mhz, -122dBm for 12dB SINAD seems like an appropriate
> number (is it ?). What should I be attempting for 14MHz ?- this band is
> much noisier.
>
> Second issue is about gain and noise figure for the RF and IF stages -
> any thoughts on how to calculate these figures will be most appreciated.
>
> Finally AGC - where, how, options, pros and cons.
>
> If these aren't the correct questions for me to be asking, then what are
> the correct questions ?
>
> Thoughts, pointers and help all appreciated.

>
> Many thanks, Mark

Front end band pass filters are really kind-a mandatory on any SDR as people in high RF environments will simply have IM and a/d converter overload. If you use AGC, the 100KW broadcaster or passing 500w aircraft radio will close and reduce headroom diminishing weak signal sensitive in the desired band.

Most all the good SDRs I've seen have several fixed freq band pass filters designed around common high power bands. But, what would rock would be a wide band (1Mhz or so) variable band pass filter with steep slopes on the front end before the first nonlinear device that could be center freq shifted. This would-could reduce the parts count and cost since you would only need one filter and a D/A converter to S/W control the shift.

Another idea would be a log amp on the front end to reduce the dynamic gain of signals over a certain voltage without changing the gain too much of weak signals. The signal could be inverse logged after the A/D. The down side is a non-linear signal feeding the converter which will hurt EbNo of digital signals.

32. HOT VIDEOS SEXY SCANDELS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-09 09:24:55 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <fda37720-056a-42a4-ace9-72ba6031a25a@r16g2000prh.googlegroups.com>
Source record: 1092

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

hot photos
http://photostou.blogspot.com/2010/09/bollywood-actress-photos-4.html

33. ACTRESES REAL SEX VIDEOS N KISSING PHOTOS N JOBS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-11 06:39:26 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <5e72d4a4-d72d-47ce-b109-9bc158612f1d@29g2000yqq.googlegroups.com>
Source record: 1093

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HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
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HOT LIP KISS 124
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HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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http://jobstwo.blogspot.com/2010/09/us-jobs.html
UK jobs overseas
http://jobstwo.blogspot.com/2010/09/uk-jobs-overseas.html

34. ONLY FOR YOUTH

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-11 19:28:25 UTC
From: sowmya <sowmya9030@gmail.com>
Message-ID: <03aa2bd3-da43-4684-9c3f-5b98e19e1b3e@f35g2000vbl.googlegroups.com>
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SAMANTHA HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/samantha.html
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priyamani hot&sexy photos
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http://karomasti9.blogspot.com/2010/12/aiesh.html
TRISHA HOT PHOTOS
http://karomasti9.blogspot.com/2010/11/trisha-hot.html
AMISHAPATEL HOT VIDEOS
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HANSIKHA HOT SEXY PHOTOS
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HOT SEXY COLLEGE GIRLS
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BEAUTIFUL LARADATTA
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NIKISHA HOT BOOBS
http://karomasti9.blogspot.com/search/label/nikisha
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ONLY FOR YOUTH
http://karomasti9.blogspot.com/search/label/spicy
SRILEKHA UNSEENED PHOTOS
http://karomasti9.blogspot.com/search/label/Srilekha
CHOPRA UNBELIVABLE PHOTOS
http://karomasti9.blogspot.com/search/label/chopra
HOT BIPASA BASU PHOTOS
http://karomasti9.blogspot.com/search/label/bipasa
TRISHA IN A SEXY FEEL
http://karomasti9.blogspot.com/search/label/thrisha
SRISHA HOT BOOBS SHOW
http://karomasti9.blogspot.com/search/label/srisha

BEAUTIFUL POONAM PHOTOS
http://karomasti9.blogspot.com/search/label/poonam

35. TAMIL ACTRESS HOT PHOTOS&VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-12 04:24:17 UTC
From: sowmya <sowmya9030@gmail.com>
Message-ID: <52c99edf-1285-4515-a73f-cab3c01f4fb9@k13g2000vbq.googlegroups.com>
Source record: 1095

SAMEERAREDDY HOT BOOBS
http://karomasti9.blogspot.com/2011/01/sameerareddy.html
HOT SEXY ACTRESS
http://karomasti9.blogspot.com/2011/01/hot.html
latest hot sruthi hassan stills
http://karomasti9.blogspot.com/2011/01/shurthihassan-new-stills.html
UNSEEN HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/never.html
SAMANTHA HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/samantha.html
SEXY DIYA MIRZA
http://karomasti9.blogspot.com/2010/12/diya-mirza.html
HOT AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aish.html
priyamani hot&sexy photos
http://karomasti9.blogspot.com/2010/12/priyamani.html
KATRINA SEXY PHOTOS
http://karomasti9.blogspot.com/2010/12/katrina.html
ANUSHKA HOT PHOTOS
http://karomasti9.blogspot.com/2010/12/anuska.html
BEAUTIFUL AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aiesh.html
TRISHA HOT PHOTOS
http://karomasti9.blogspot.com/2010/11/trisha-hot.html
AMISHAPATEL HOT VIDEOS
http://karomasti9.blogspot.com/search/label/amisha
HANSIKHA HOT SEXY PHOTOS
http://karomasti9.blogspot.com/search/label/HANSIKA
HOT SEXY COLLEGE GIRLS
http://karomasti9.blogspot.com/search/label/hot
BEAUTIFUL LARADATTA
http://karomasti9.blogspot.com/search/label/laradatta
NIKISHA HOT BOOBS
http://karomasti9.blogspot.com/search/label/nikisha
PRIYANKA SPICY LATEST PICS
http://karomasti9.blogspot.com/search/label/priyanka

36. hello

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-18 14:05:54 UTC
From: geethu <malargeetha20119159686702@gmail.com>
Message-ID: <ec1abfdf-c37f-4047-8e13-aa07153dc3e6@k14g2000pre.googlegroups.com>
Source record: 1096

malargeetha20119159686702@gmail.com

37. Confused: CLI Linux CW beacon software?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-19 17:53:58 UTC
From: spamhog <n1jpr@hotmail.com>
Message-ID: <b9fe2b2e-c48a-4b86-913e-08d18316f036@g26g2000vba.googlegroups.com>
Source record: 1097

Is there any software still being maintained for running a CW beacon-
like TX in command line Linux?

I am looking for something that could use a serial or parallel port to
send any specified text file, which would make it capable of sending
dynamically generated content (acquired or mailed-in and written to
text).

I saw
- cwbeacon, which seems self-contained, scriptable (in the above
sense), but extremely old, unsupported, not included in any current
repository;
- cwdaemon for UDP to port keying, where UDP might either simplify
things OR be an unnecessary passage;
- unixcw, which is alleged to port-key as an "option" - but I can't
see it..

Is this all? Is there a howto I missed? Is such CLI capability hidden
into any GUI app - e.g. as in the vlc-nox player?

tnx es 73 de n1jpr

38. (from W2YDW) -- Two magnets will show you more than a thousand books.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-20 15:47:28 UTC
From: fitz <zeusrdx@yahoo.com>
Message-ID: <85d85048-a210-48e0-9dde-75f77de7acfe@o11g2000prf.googlegroups.com>
Source record: 1098

Two magnets will show you more than a thousand books. (W2YDW)

(Click link below.)

http://www.amperefitz.com/two.magnets.htm

A letter to my old friend Doctor Ronald Massarik.

39. Mosfet mixer

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-22 15:56:16 UTC
From: gpugelni <gpugelni.780c598@radiobanter.com>
Message-ID: <gpugelni.780c598@radiobanter.com>
Source record: 1099

Hi,
I need help with this mixer on picture. Is it normal that after BF981 IF amplitude is lower then input signal in mixer (70MHz)? Would not this kind of mixer have some small gain? For XTAL I use 20MHz crystal instead of 60MHz (because I can't find 60MHz crstal) , I have oscilation of 60 MHz on G2, but I'm not sure is it ok to use 20MHz instead of 60MHz..

Thanks in advance,

+--+
|Filename: mixer.jpg |
|Download: http://www.radiobanter.com/attachment.php?attachmentid=804|
+--+

--
gpugelni

40. ANN: One time offer...ONEoverT Digital Filter Designer..reduced by 90% to 30 GBP

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-22 21:28:06 UTC
From: Bob <stenasc@yahoo.com>
Message-ID: <7b14d235-57c8-48ec-8db7-806d2f853006@u3g2000vbj.googlegroups.com>
Source record: 1100

Hi,

A spot of blatant advertising, and we'll not trouble you again for another few years, but we thought that we would give the amateur radio usenet community an opportunity to benefit, as we have over the years from using usenet groups. Many of our existing customers are also radio amateurs and many have of them an active interest in DSP.

ONEoverT Digital Filter Designer is used by them in the design and test of many DSP projects requiring filters including software defined radio, satellite receivers, telemetry modules etc.

For the month of January, we are making a one-time offer where we have reduced the price of full version of ONEoverT Digital Filter Designer by 90%. The last time we did this was eight years ago. From it's normal cost of 300 GBP, it is now only 30 GBP.

http://www.tyder.com

You will be able to design :

FIR filters (windowed and optimal) up to 8192 order
IIR filters. Butterworth, Chebyshev (Type I and II) and Elliptic
Root and Raised cosine filters up to 8192 order
Halfband filters up to 8192 order
Differentiators up to 8192 order
Hilbert Transformers up to 8192 order

You can also use the FFT facility to carry out frequency analysis of signal files.

You also have the ability to link with our VHDL module which you can use to
generate all the above filter designs for FPGA or ASIC. Although this is not part of the
offer at this time, we will look at each request on a case by case basis and offer any cusyomer a great deal.

Best Regards
Bob Carter
Tyder Ltd

41. FS: Speakers in cases

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-23 00:02:00 UTC
From: Eugene Rippen <soundval@muchstuff.com>
Message-ID: <Xns9E75A3191559er7373@69.16.186.8>
Source record: 1201

To get the shipping that I will charge, I need the zip. I use FedEx or USPS.
I will sell to out of the USA, but I only ship to USA. (Foreign buyers need
US agents)
I accept PayPal, Checks on USA banks and U.S.Postal Money Orders. (I wait
for 4 Bank Days for check clearances.)
Inquiries and poffers usually will get my responses, but they don't get the items held
from sale to other buyers.

All these speakers work.

National Speaker 8" Case: 10.5" x 10" x 7". Lighter grey. Fair to
Good looking. Will use 9 Lbs. SW. My # ST-1011. $60.00
http://www.muchstuff.com/speakers7-6-10/p1000432.jpg
http://www.muchstuff.com/speakers7-6-10/p1000433.jpg
http://www.muchstuff.com/speakers7-6-10/p1000434.jpg

National Speaker 6" Looks very good. Slight paint rub on right side.
Will use 8 Lbs. as SW. My # ST-1016. $65.00
http://www.muchstuff.com/speakers7-6-10/p1000448.jpg
http://www.muchstuff.com/speakers7-6-10/p1000449.jpg
http://www.muchstuff.com/speakers7-6-10/p1000450.jpg

RME 10" Jensen speaker. Looks good. Will use 15 Lbs. as SW. My # ST-1017. $70.00
http://www.muchstuff.com/speakers7-6-10/p1000457.jpg
http://www.muchstuff.com/speakers7-6-10/p1000458.jpg
http://www.muchstuff.com/speakers7-6-10/p1000459.jpg

"National Radio Inc."? Speaker is 8". Looks fair to good. Note the remnants of call letters at bottom of front. Will use 9 Lbs. as SW. My #
ST-1018. $55.00.
http://www.muchstuff.com/speakers7-6-10/p1000454.jpg
http://www.muchstuff.com/speakers7-6-10/p1000455.jpg
http://www.muchstuff.com/speakers7-6-10/p1000456.jpg

RME 10" Jensen speaker. Case: 12.5" x 12" x 7". Looks good. Will use
15 Lbs. as SW. My # ST1026. $70.00
http://www.muchstuff.com/speakers7-6-10/p1000481.jpg

http://www.muchstuff.com/speakers7-6-10/p1000482.jpg
http://www.muchstuff.com/speakers7-6-10/p1000483.jpg

It may be a Hammarlund PSC-10. 10" Utah speaker. Case: 12.5&#65533; x 12.5"
x
7". Has
rheostat and knife switch (at no extra charge). Will use 15 Lbs as SW.
My # ST-1027. $70.00.
http://www.muchstuff.com/speakers7-6-10/p1000484.jpg
http://www.muchstuff.com/speakers7-6-10/p1000485.jpg
http://www.muchstuff.com/speakers7-6-10/p1000486.jpg

National 6" speaker. Case: 10" x 10.25" x 7". Looks good. Darker
color
than some others this size. Will use 8 Lbs. as SW. My # ST-1029.
$55.00
http://www.muchstuff.com/speakers7-6-10/p1000490.JPG
http://www.muchstuff.com/speakers7-6-10/p1000491.JPG
http://www.muchstuff.com/speakers7-6-10/p1000492.jpg

Unknown 10" Jensen speaker. Case: 10.5" x 10" x 7". Looks good.
Will
use 14 Lbs. as SW. My # ST-1030. $60.00
http://www.muchstuff.com/speakers7-6-10/p1000493.jpg
http://www.muchstuff.com/speakers7-6-10/p1000494.jpg
http://www.muchstuff.com/speakers7-6-10/p1000495.jpg

Realistic SP-150. Looks very good. Will use 5 Lbs. as SW. My # G1040.
$40.00.
http://www.muchstuff.com/speakers7-6-10/p1000524.jpg
http://www.muchstuff.com/speakers7-6-10/p1000525.jpg
http://www.muchstuff.com/speakers7-6-10/p1000526.jpg

Eugene Rippe,, WB6SZS

42. Re: Mosfet mixer

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-23 04:47:45 UTC
From: Nordic Breeds WA4VZQ <ABSOLUTELYwa4vzqNO@SPAMlive.com>
Message-ID: <ihgbtjuuq1@news.eternal-september.org>
Source record: 1202

"gpugelni" <gpugelni.780c598@radiobanter.com> wrote in message
news:gpugelni.780c598@radiobanter.com...
> I need help with this mixer on picture. Is it normal that after BF981
> IF
> amplitude is lower then input signal in mixer (70MHz)? Would not this
> kind of mixer have some small gain? For XTAL I use 20MHz crystal
> instead
> of 60MHz (because I can't find 60MHz crstal) , I have oscilation of 60
> MHz on G2, but I'm not sure is it ok to use 20MHz instead of 60MHz..
> +--+
> |Filename: mixer.jpg |
> |Download: http://www.radiobanter.com/attachment.php?attachmentid=804|
> +--+
> gpugelni

You should be getting a signal gain. The second gate is normally
operated such that it switches the FET on an off as a commutating mixer.
operated in this manner, it will have low intermodulation distortion but
a high noise figure. I suggest you consult "Designing with Field-Effect
Transistors." either the first edition by Arthur Evans, Ed., Siliconix or
the second edition by Ed Oxner, Ed., Siliconix.

73, Dr. Barry L. Ornitz WA4VZQ

43. Re: Confused: CLI Linux CW beacon software?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-23 15:10:35 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <7cbb011b-4c27-4e33-85cf-24ca27cecd0b@j32g2000yqc.googlegroups.com>
Source record: 1203

On Jan 19, 12:53 pm, spamhog <n1...@hotmail.com> wrote:
> Is there any software still being maintained for running a CW beacon-
> like TX in command line Linux?
>
> I am looking for something that could use a serial or parallel port to
> send any specified text file, which would make it capable of sending
> dynamically generated content (acquired or mailed-in and written to
> text).
>
> I saw
> - cwbeacon, which seems self-contained, scriptable (in the above
> sense), but extremely old, unsupported, not included in any current
> repository;
> - cwdaemon for UDP to port keying, where UDP might either simplify
> things OR be an unnecessary passage;
> - unixcw, which is alleged to port-key as an "option" - but I can't
> see it..
>
> Is this all? Is there a howto I missed? Is such CLI capability hidden
> into any GUI app - e.g. as in the vlc-nox player?
>
> tnx es 73 de n1jpr

I just found cwbeacon at ftp://sunsite.unc.edu/pub/Linux/apps/ham/morse/

The C code is a little crufty but typical of 90's stuff. You have to
use sys/io.h instead of asm/io.h.

It worked on the one PC I had, that had a real parallel port.

Another option on more modern hardware without a parallel port would
be something like a WKUSB, to drive it you just open up a serial port
(over USB) and send. The WKUSB is really nifty.

44. Re: Crystal Wanted

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-27 07:49:08 UTC
From: davidmylastname@acm.org
Message-ID: <ihr81jsmh1@frotz.eternal-september.org>
Source record: 1204

Kenneth Scharf <wa2mze@bellsouth.net> wrote:
> Another thing about these crystals is that they are often found in
> very small SMT packages. I'm not sure that the smallest sizes work
> well in a ladder filter though. The same goes for the 'tuning fork'
> version that uses laser timed metal elements with a very small amount
> of quartz (I've heard that high quality quartz is getting scarce and
> crystal makers are looking at ways to use less).

I think the motivation is to simply make them smaller. Crystals have
been made from synthetic quartz for quite some time now.

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

45. Re: Mosfet mixer

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-01-30 17:13:05 UTC
From: gpugelni <gpugelni.78b5198@radiobanter.com>
Message-ID: <gpugelni.78b5198@radiobanter.com>
Source record: 1205

I was find out what is the problem, replace BF981 with BF960 and that's
it.

Regards,

+--+
+--+

--
gpugelni

46. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-01 07:00:02 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1296543600@panix.com>
Source record: 1206
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

47. Re: hello

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-03 15:24:38 UTC
From: NeonGuru <eugene_77@live.com>
Message-ID: <ZMz2p.27618$Ga6.22268@newsfe04.iad>
Source record: 1207

10-4 GoodBuddie?
"geethu" <malargeetha20119159686702@gmail.com> wrote in message
news:ec1abfdf-c37f-4047-8e13-aa07153dc3e6@k14g2000pre.googlegroups.com...
> malargeetha20119159686702@gmail.com
>

48. SEXY VIDEOS AND HOT PHOTOS FREE SERVICE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-04 10:07:53 UTC
From: 0432167FGSDFS <22gbngbfgbb@gmail.com>
Message-ID: <7fed9374-311e-454c-89f8-27f4f9c08b23@o18g2000prh.googlegroups.com>
Source record: 1208

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

49. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-07 07:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1297062301@panix.com>
Source record: 1209
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

50. SEXY HOT GIRLS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-08 15:06:41 UTC
From: guru <sridatta9247@gmail.com>
Message-ID: <3dd2a622-d2be-4f7a-9dd3-4338dc8fbf49@i39g2000prd.googlegroups.com>
Source record: 1210

HOT HOLLYWOOD ACTRESS
http://karomasti9.blogspot.com/2011/02/ferida-pinto.html
DEEPIKA PADUKONE HOT VIDEOS
http://karomasti9.blogspot.com/2011/01/deepika-padukone.html
HOT ARCHANA STILLS
http://karomasti9.blogspot.com/2011/01/archana.html
DEEKSHA SETH HOT WALLPAPERS
http://karomasti9.blogspot.com/2011/01/deeksha-seth.html
KATRINA KAIF HOT VIDEOS&PHOTOS
http://karomasti9.blogspot.com/2011/01/katrina-kaif.html
SAMEERAREDDY HOT BOOBS
http://karomasti9.blogspot.com/2011/01/sameerareddy.html
HOT SEXY ACTRESS
http://karomasti9.blogspot.com/2011/01/hot.html
latest hot sruthi hassan stills
http://karomasti9.blogspot.com/2011/01/shurthihassan-new-stills.html
UNSEEN HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/never.html
SAMANTHA HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/samantha.html
SEXY DIYA MIRZA
http://karomasti9.blogspot.com/2010/12/diya-mirza.html
HOT AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aish.html
priyamani hot&sexy photos
http://karomasti9.blogspot.com/2010/12/priyamani.html
KATRINA SEXY PHOTOS
http://karomasti9.blogspot.com/2010/12/katrina.html
ANUSHKA HOT PHOTOS
http://karomasti9.blogspot.com/2010/12/anuska.html
BEAUTIFUL AISHWARIYA RAI
http://karomasti9.blogspot.com/2010/12/aiesh.html
TRISHA HOT PHOTOS
http://karomasti9.blogspot.com/2010/11/trisha-hot.html
AMISHAPATEL HOT VIDEOS
http://karomasti9.blogspot.com/search/label/amisha
HANSIKHA HOT SEXY PHOTOS
http://karomasti9.blogspot.com/search/label/HANSIKA
HOT SEXY COLLEGE GIRLS
http://karomasti9.blogspot.com/search/label/hot
BEAUTIFUL LARADATTA
http://karomasti9.blogspot.com/search/label/laradatta
NIKISHA HOT BOOBS
http://karomasti9.blogspot.com/search/label/nikisha

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SRILEKHA UNSEENED PHOTOS
http://karomasti9.blogspot.com/search/label/Srilekha
CHOPRA UNBELIVABLE PHOTOS
http://karomasti9.blogspot.com/search/label/chopra
HOT BIPASA BASU PHOTOS
http://karomasti9.blogspot.com/search/label/bipasa
TRISHA IN A SEXY FEEL
http://karomasti9.blogspot.com/search/label/thrisha
SRISHA HOT BOOBS SHOW
http://karomasti9.blogspot.com/search/label/srisha
BEAUTIFUL POONAM PHOTOS
http://karomasti9.blogspot.com/search/label/poonam

51. ***VERY VERY USEFUL WEBSITE HERE**PLS JOIN FREE***

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-09 17:02:48 UTC
From: Your FRIEND <a.jameel48@gmail.com>
Message-ID: <8fb66fda-3ed5-4c9c-ae81-74733df3a261@k15g2000prk.googlegroups.com>
Source record: 1211

web page : http://123maza.com/75/mother257/

VERY USEFUL TO YOU... Don't miss..

PLEASE REGISTER THIS WEB PAGE but join free..

52. HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-10 14:23:37 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <14e10aae-456a-4f45-b0f9-06036aeb6d11@q2g2000pre.googlegroups.com>
Source record: 1212

Hey OT's

I've seen lithium batteries for the HT1000, but theri like 7,2 volts,
there are battery adapters for cigar lighter sockets/plug that would
have to run at 12.6 volts

My question is can I mod a nicd battery pack and use three A123
lithium cells in it?

73 OT's
de n8zu

53. Re: HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-10 20:27:27 UTC
From: highlandham <highlandham_nospam@rfburns.eu>
Message-ID: <ij1hni$e63$1@news.eternal-september.org>
Source record: 1213

On 10/02/11 14:23, raypsi wrote:
> Hey OT's
>
> I've seen lithium batteries for the HT1000, but theri like 7,2 volts,
> there are battery adapters for cigar lighter sockets/plug that would
> have to run at 12.6 volts
>
> My question is can I mod a nicd battery pack and use three A123
> lithium cells in it?
>
> 73 OT's
> de n8zu
==========
The charge regime for lithium batteries differs from that for NiCad/NiMH batteries. My Maha MH-C777plus charger has a switch for Ni<---> Li batteries. Suggest you find out what's the difference,through Google.

Frank GM0CSZ / KN6WH

54. Re: HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-10 23:05:55 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <adbbb38e-0132-4b1b-aa8a-b1ead9ceac42@n10g2000yqf.googlegroups.com>
Source record: 1214

On Feb 10, 3:27 pm, highlandham <highlandham_nos...@rfburns.eu> wrote:
> On 10/02/11 14:23, raypsi wrote:> Hey OT's
>
> > I've seen lithium batteries for the HT1000, but theri like 7,2 volts,
> > there are battery adapters for cigar lighter sockets/plug that would
> > have to run at 12.6 volts
>
> > My question is can I mod a nicd battery pack and use three A123
> > lithium cells in it?
>
> > 73 OT's
> > de n8zu
>
> ============================
> The charge regime for lithium batteries differs from that for NiCad/NiMH
> batteries. My Maha MH-C777plus charger has a switch for Ni<---> Li
> batteries. Suggest you find out what's the difference,through Google.
>
> Frank GM0CSZ / KN6WHm

Hey OM:

yeah I'm aware of the charge diff for the diff chemistries, I have
charger for multiple lithium cells. sounds like if I use 3 cells I
will need a cuck switching regulator to keep the voltage at 8.4vdc,
which is the max voltage charge of 6 nicd cells. Or just put 3 cells
into a 12.6vdc cigar plug adapter.

73 OM,
de n8zu

55. Re: HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 00:05:41 UTC
From: Crispytwotrees@notallthere.com
Message-ID: <t3%4p.5396$Xf4.4198@newsfe13.ams2>
Source record: 1215

My question is can I mod a nicd battery pack and use three A123
lithium cells in it?

Don't know as I really have the authority to let you, but its Christmas so
yep why not. Go on you help yourself man.
Enjoy, but don't let on I said you could.

56. Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 05:35:13 UTC
From: FyberOptic <fyberoptic@gmail.com>
Message-ID: <78af6f86-5aaf-4494-aff4-14b9084963f5@x11g2000yqc.googlegroups.com>
Source record: 1216

Hey folks, I was wondering if anyone better versed in analog electronics could help me out with an idea. I've seen various projects on the internet where people have repurposed old radio equipment for other uses, like using a CB to receive amateur radio frequencies. So stuff like that got me wondering. I have an old crystal-based scanner that belonged to my dad. It has a range of 30-50 and 148-174mhz. While police/fire/rescue have all moved to digital systems, I know that the city's public works still uses frequencies in the latter range. I'd like to be able to receive those, without buying several crystals. So I'm wondering if it's possible to create some kind of oscillator (LC-based or whatever) to simulate a crystal for this type of device. It wouldn't be nearly as accurate/stable of course, but I'm curious if it's possible.

I mean, I'm sure if one went in and started trying to physically modify it they could find where to directly inject an external oscillator frequency. But I'd prefer to keep it in its original state if possible. That would mean I would have to work with whatever circuitry normally generates the oscillation with the crystal. That's why for starters I'm mostly asking in a broad sense if it's possible. I know anything more detailed than that might be hard to offer without knowing what's actually in the scanner (even I don't have a schematic), but any insight would be much appreciated!

57. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 06:10:34 UTC
From: ddl@danlan.*com
Message-ID: <1355637@news1.IPSWITCHS.CMM>
Source record: 1217

In article <78af6f86-5aaf-4494-aff4-14b9084963f5@x11g2000yqc.googlegroups.com>,
fyberoptic@gmail.com (FyberOptic) writes:

| Hey folks, I was wondering if anyone better versed in analog
| electronics could help me out with an idea. I've seen various
| projects on the internet where people have repurposed old radio
| equipment for other uses, like using a CB to receive amateur radio
| frequencies. So stuff like that got me wondering. I have an old
| crystal-based scanner that belonged to my dad. It has a range of
| 30-50 and 148-174mhz. While police/fire/rescue have all moved to
| digital systems, I know that the city's public works still uses
| frequencies in the latter range. I'd like to be able to receive
| those, without buying several crystals. So I'm wondering if it's
| possible to create some kind of oscillator (LC-based or whatever) to
| simulate a crystal for this type of device. It wouldn't be nearly as
| accurate/stable of course, but I'm curious if it's possible.

My father did exactly that with a 70's vintage Radio Shack scanner. He
put a knob on the side near the end crystal in the crystal compartment.
I probably still have it somewhere.

Dan Lanciani
ddl@danlan.*com

58. Re: HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 13:37:46 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <ab1000cf-6848-4251-a98f-47bb36e9fe09@y4g2000prh.googlegroups.com>
Source record: 1218

On Feb 10, 7:05 pm, <Crispytwotr...@notallthere.com> wrote:
> My question is can I mod a nicd battery pack and use three A123
> lithium cells in it?
>
> Don't know as I really have the authority to let you, but its Christmas so
> yep why not. Go on you help yourself man.
> Enjoy, but don't let on I said you could.

hey OM.
Good idea wish I would have thought of that first,
but there might be 10wvdc electrolytic caps in there and they might
not likes 12.6vdc,
so upon your 'vice I will looky at the schematic n see if dat's true.
73 OM.
de n8zu

59. Re: HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 14:02:58 UTC
From: Crispytwotrees@notallthere.com
Message-ID: <rkb5p.8544$ts7.5150@newsfe14.ams2>
Source record: 1219

Te he all the best.

Lets hope them aliens aren't out next full moon.
I just love them Dutch coffee shops.

60. Re: HT1000 lithium battery mod?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 14:21:02 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <5246e72a-c8ef-427c-a459-c6c94feeefe9@1g2000pro.googlegroups.com>
Source record: 1220

On Feb 11, 9:02 am, <Crispytwotr...@notallthere.com> wrote:
> Te he all the best.
>
> Lets hope them aliens aren't out next full moon.
> I just love them Dutch coffee shops.

Hey OM.
Thank you very much
I took a looky at the parts list and schematic damn if you weren't right on the money.
There are a few 10wvdc caps in there but they are on secondary supplies all the rest are 16wvdc caps and on the primary supply .
I worked with sum of those aliens when the INS came they went a running big time. what pissed them off was I was making overtime pay after 40 hours and because they was considered agricultural they can't gits overtime pay. man talk about sum pisssed off aliens, and at 90 degrees F in the greenhouses and they was wearing 2 winter coats and 2 hoodies, once when it got to 110 degrees F they took off their winter coats but they still had their hoodies on
gotta love them aliens,
73 OM,
de n8zu

61. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 16:12:54 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <1f163e24-4c8a-4fbd-ac10-8aec1964b7b3@q40g2000prh.googlegroups.com>
Source record: 1221

hey ole man:

been there done that.

Scanners that used crystals are pretty straight forward in todays
standards, no secrets there.
I made a living selling the crystals for those scanners.
Or you could do a PIC stamp based cpu that programmed from a regular
PC could do what you need to be done.
a.k.a. frequency synthesis, and scan the scanner with just the PIC
using the scanner as an IF

To beef it up would need sum front end work or, software to program
out the images.

Transverters do that all the time and is very common place in ham
radio.

hhey

On Feb 11, 12:35 am, FyberOptic <fyberop...@gmail.com> wrote:
> Hey folks, I was wondering if anyone better versed in analog
> electronics could help me out with an idea. I've seen various
> projects on the internet where people have repurposed old radio
> equipment for other uses, like using a CB to receive amateur radio
> frequencies. So stuff like that got me wondering. I have an old
> crystal-based scanner that belonged to my dad. It has a range of
> 30-50 and 148-174mhz. While police/fire/rescue have all moved to
> digital systems, I know that the city's public works still uses
> frequencies in the latter range. I'd like to be able to receive
> those, without buying several crystals. So I'm wondering if it's
> possible to create some kind of oscillator (LC-based or whatever) to
> simulate a crystal for this type of device. It wouldn't be nearly as
> accurate/stable of course, but I'm curious if it's possible.
>
> I mean, I'm sure if one went in and started trying to physically
> modify it they could find where to directly inject an external
> oscillator frequency. But I'd prefer to keep it in its original state
> if possible. That would mean I would have to work with whatever
> circuitry normally generates the oscillation with the crystal. That's
> why for starters I'm mostly asking in a broad sense if it's possible.
> I know anything more detailed than that might be hard to offer without
> knowing what's actually in the scanner (even I don't have a
> schematic), but any insight would be much appreciated!

62. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 20:26:21 UTC
From: dplatt@radagast.org
Message-ID: <dkig28-k3j.ln1@radagast.org>
Source record: 1222

>| Hey folks, I was wondering if anyone better versed in analog
>| electronics could help me out with an idea. I've seen various
>| projects on the internet where people have repurposed old radio
>| equipment for other uses, like using a CB to receive amateur radio
>| frequencies. So stuff like that got me wondering. I have an old
>| crystal-based scanner that belonged to my dad. It has a range of
>| 30-50 and 148-174mhz. While police/fire/rescue have all moved to
>| digital systems, I know that the city's public works still uses
>| frequencies in the latter range. I'd like to be able to receive
>| those, without buying several crystals. So I'm wondering if it's
>| possible to create some kind of oscillator (LC-based or whatever) to
>| simulate a crystal for this type of device. It wouldn't be nearly as
>| accurate/stable of course, but I'm curious if it's possible.

Almost certainly, yes. The details would depend on just how the
circuitry is designed.

You would probably want to completely bypass the existing crystal-
oscillator circuit, and inject the appropriate local-oscillator
signal (created by your new tunable oscillator) near the point where
the crystal-oscillator signal is fed to the "mixer".

As to the type of oscillator you could use... you could build
an LC circuit, of course. If you want something a bit more
off-the-shelf, you could buy a commercial VCO (voltage controlled
oscillator) module from a company such as Mini-Circuits... feed
this a very-well-regulated control voltage, through a multi-turn
potentiometer, and feed the VCO's output to the scanner's mixer.

The scanner documentation probably tells you what crystal
frequencies correspond to which over-the-air frequencies
(i.e. what the "offset" is). If it's a single-conversion
receiver, the offset would probably be equal to the operaring
frequency of the radio's IF strip and filters. You would need
to build (or buy) a variable oscillator circuit, which would
generate frequencies covering the correct offset range.

--
Dave Platt <dplatt@radagast.org> AE6EO
Friends of Jade Warrior home page: http://www.radagast.org/jade-warrior
I do _not_ wish to receive unsolicited commercial email, and I will
boycott any company which has the gall to send me such ads!

63. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-11 23:02:35 UTC
From: Fred McKenzie <fmmck@aol.com>
Message-ID: <fmmck-E963C7.18023311022011@5ad64b5e.bb.sky.com>
Source record: 1223

In article
<78af6f86-5aaf-4494-aff4-14b9084963f5@x11g2000yqc.googlegroups.com>,
FyberOptic <fyberoptic@gmail.com> wrote:

> So I'm wondering if it's
> possible to create some kind of oscillator (LC-based or whatever) to
> simulate a crystal for this type of device. It wouldn't be nearly as
> accurate/stable of course, but I'm curious if it's possible.

FO-

Yes it is possible, as others have stated.

The frequency of the oscillator is related to the Intermediate Frequency of the radio. One common IF is 10.7 MHz. As an example, a crystal frequency of 39.3 MHz would receive either 50.0 MHz or 28.6 MHz depending on how the radio's Radio Frequency stage is tuned.

Scanners commonly use 3rd overtone crystals in the 25 to 50 MHz range. Higher frequency crystals are possible, but maybe not practical. Therefore, the radio will usually multiply the oscillator frequency to receive the higher bands such as 160 MHz or 470 MHz. What this means to you, is that a Variable Frequency Oscillator (VFO) that covers 25 to 50 MHz (or whatever it takes, you work out the math) will work for both low and high bands.

To avoid modifying the radio, you may be able to connect the output of an external VFO to one of the crystal sockets. The original oscillator would then act as a buffer amplifier. That is if you are lucky. Bad luck would be if the original oscillator oscillates at some weird frequency!

Fred
K4DII

64. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-12 00:04:22 UTC
From: FyberOptic <fyberoptic@gmail.com>
Message-ID: <436dd58e-fdde-49cf-a382-a592d0cf76d4@o14g2000prb.googlegroups.com>
Source record: 1224

First of all, thanks for the responses so far, guys. The info is certainly helpful. I'm not completely opposed to modifying the scanner, but it's good to hear that I might not have to. I'm much more optimistic now on attempting the project either way.

>
> Scanners commonly use 3rd overtone crystals in the 25 to 50 MHz range.
> Higher frequency crystals are possible, but maybe not practical.
> Therefore, the radio will usually multiply the oscillator frequency to
> receive the higher bands such as 160 MHz or 470 MHz. What this means to
> you, is that a Variable Frequency Oscillator (VFO) that covers 25 to 50
> MHz (or whatever it takes, you work out the math) will work for both low
> and high bands.
>

That may very well be the case. If I recall correctly there are high/low ranges. The "low" range is 30-50mhz, with the "high" at 148-174mhz. Back when my dad used it we'd always assumed that you bought a crystal for the particular frequency you wanted to hear, but that may not have been the case!

It's a Radio Shack PRO-77a, by the way, which I saw someone comment elsewhere that Radio Shack tends to use 10.7 for the IF on that brand. A shame I can't find any kind of service manual or something for it.

65. HOT SEXY VIDEOS UNBELEVABLE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-12 02:11:33 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <40b76b22-fdb9-4069-8652-02c8d6746504@l22g2000pre.googlegroups.com>
Source record: 1225

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
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dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

66. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-12 09:36:47 UTC
From: Rob <nomail@example.com>
Message-ID: <slrnilcl5f.3pd.nomail@xs8.xs4all.nl>
Source record: 1226

FyberOptic <fyberoptic@gmail.com> wrote:
>
> First of all, thanks for the responses so far, guys. The info is
> certainly helpful. I'm not completely opposed to modifying the
> scanner, but it's good to hear that I might not have to. I'm much
> more optimistic now on attempting the project either way.

While it may be technically interesting, I am amazed that one would consider embarking on such a project...

At least here, scanners have become mostly useless because so many services have switched to digital, and uncountable unused "computer scanners" (= those that already have a frequency synthesizer) are floating around. A search on a secondhand marketplace site returns tens of "for sale" scanners sold for maybe $10. Just get one, and key in the frequency you are interested in.

(remember that solutions with a VFO will mean you lose the scanning capability so you can monitor only a single frequency at a time, and unless you add some digital readout you won't even know to what frequency you are listening)

67. ROMANTIC SHOW

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-12 10:30:22 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <2db5d50d-17a7-45be-805f-78f156d1ef03@l22g2000pre.googlegroups.com>
Source record: 1227

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TELUGU FUNNY VIDEOS
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DEEPIKA PADUKONE HOT VIDEOS
http://karomasti9.blogspot.com/2011/01/deepika-padukone.html
HOT ARCHANA STILLS
http://karomasti9.blogspot.com/2011/01/archana.html
DEEKSHA SETH HOT WALLPAPERS
http://karomasti9.blogspot.com/2011/01/deeksha-seth.html
KATRINA KAIF HOT VIDEOS&PHOTOS
http://karomasti9.blogspot.com/2011/01/katrina-kaif.html
SAMEERAREDDY HOT BOOBS
http://karomasti9.blogspot.com/2011/01/sameerareddy.html
```

68. Re: Emulating a crystal

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-12 13:37:30 UTC
From: highlandham <highlandham_nospam@rfburns.eu>
Message-ID: <ij62esff1@news.eternal-september.org>
Source record: 1228

```
On 12/02/11 00:04, FyberOptic wrote:
> snip
> It's a Radio Shack PRO-77a, by the way, which I saw someone comment
> elsewhere that Radio Shack tends to use 10.7 for the IF on that
> brand. A shame I can't find any kind of service manual or something
> for it.
====================================
You might find the manual for the above unit by googling for BAMA

Frank GM0CSZ / KN6WH
```

69. Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-12 23:42:13 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ij75sl$uq1$1@news.eternal-september.org>
Source record: 1229
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I'm looking for charger/maintainer -- either an off-the-shelf unit or a schematic so I can build my own -- suitable for a flooded deep-cycle battery, either a pair of 6V "golf cart" batteries in series or a Group 31.

I don't want an RFI generator: I already have one.

I already have a few 13.8V 25A power supplies, one of which I would be quite willing to "crank up" to a higher voltage to compensate for the voltage drop in the control circuitry.

Something like the West Mountain Radio "Super PwrGate" (PG40S) would work, although the automatic switch-over feature is not essential. That device is intended for Gel-Cell and AGM batteries and not recommended for flooded batteries -- absorption-charge voltage too low and float-charge voltage too high, their tech support people tell me.

"Perce"

70. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-13 08:14:08 UTC
From: No Spam <nospam@nospam.com>
Message-ID: <ij83sg$3ls$1@news.albasani.net>
Source record: 1230
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On Sat, 12 Feb 2011 18:42:13 -0500, Percival P. Cassidy wrote:

> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
> schematic so I can build my own -- suitable for a flooded deep-cycle
> battery, either a pair of 6V "golf cart" batteries in series or a Group
> 31.
>
> I don't want an RFI generator: I already have one.
>
> I already have a few 13.8V 25A power supplies, one of which I would be
> quite willing to "crank up" to a higher voltage to compensate for the
> voltage drop in the control circuitry.
>
> Something like the West Mountain Radio "Super PwrGate" (PG40S) would
> work, although the automatic switch-over feature is not essential. That
> device is intended for Gel-Cell and AGM batteries and not recommended
> for flooded batteries -- absorption-charge voltage too low and
> float-charge voltage too high, their tech support people tell me.
>
> "Perce"

I am quite happy with my IOTA DLS-45 with the IQ Smart Controller

http://www.iotaengineering.com/iq.htm

Once a week it equalizes my batteries using 14v pulses. The batteries are
on their 14th year and can still run my shack for 5 days. (down from a
week when I initially purchased the batteries and charger)

71. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-13 14:17:40 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ij8p65$6b5$1@news.eternal-september.org>
Source record: 1231
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/13/11 03:14 am, No Spam wrote:

>> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
>> schematic so I can build my own -- suitable for a flooded deep-cycle
>> battery, either a pair of 6V "golf cart" batteries in series or a Group
>> 31.
>>
>> I don't want an RFI generator: I already have one.
>>
>> I already have a few 13.8V 25A power supplies, one of which I would be
>> quite willing to "crank up" to a higher voltage to compensate for the
>> voltage drop in the control circuitry.
>>
>> Something like the West Mountain Radio "Super PwrGate" (PG40S) would
>> work, although the automatic switch-over feature is not essential. That
>> device is intended for Gel-Cell and AGM batteries and not recommended
>> for flooded batteries -- absorption-charge voltage too low and
>> float-charge voltage too high, their tech support people tell me.

> I am quite happy with my IOTA DLS-45 with the IQ Smart Controller
>
> http://www.iotaengineering.com/iq.htm
>
> Once a week it equalizes my batteries using 14v pulses. The batteries are
> on their 14th year and can still run my shack for 5 days. (down from a
> week when I initially purchased the batteries and charger)

I wish I'd known about that IQ unit before I bought an Astron RS-35A
just a month or two back.

I was hoping I could find something not too expensive to take power from
that P/S or from one of my RF-quiet "switchers" to look after the
batteries. Texas Instruments has battery-charging ICs, but I haven't
seen a practical circuit that uses one.

"Perce"

72. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-13 20:35:38 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <4a6227e6-aa45-4792-810c-ee8d653ab346@y4g2000prh.googlegroups.com>
Source record: 1232
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hey OT:

I used to charge a deep cycle flooded marine battery with the TI
UC3906
data sheet here: http://focus.ti.com/lit/ds/symlink/uc3906.pdf
all you need is a few precision pots and the low resistance resistor
you need to set the max charge current.
I had a 115AH deep cycle flooded marine battery that with a straight
no frills charge took 4 days to charge fully, tested by hydrometer
With 1 foot of 14 gauge wire for the max charge resistor and precision
10 turn pots to set the other settings, and a 30 amp PNP pass
transistor on a fan cooled heat sink I was able to charge that battery
in 8 hours full charge, then it goes to a maintain charge, not a
trickle charge.

Basically I was charging at 23 amps after the UC3906 checked that no
cells were bad, then once it gets to a predetermined voltage it scales
back the charge, all the levels for this are set by multiple precision
pots and you can take it thru 4 levels of charge. I had the max
setting for 15.5 volts when the battery was fully charged to roll back
to maintain charge.

You will need a unregulated 18 volt supply, because the PNP drops 4
volts in VSAT. and once it gets the battery up there in voltage, the
PNP doesn't need to be full on in VSAT

After using auto chargers and straight charges I found the UC3906 the
best choice over all.

There is a switch mode TI chip also but you don't want that one

Mouser stocks these last time I bought them it was like $4 each.

On Feb 12, 6:42 pm, "Percival P. Cassidy" <Nob...@NotMyISP.com> wrote:
> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
> schematic so I can build my own -- suitable for a flooded deep-cycle
> battery, either a pair of 6V "golf cart" batteries in series or a Group 31.
>
> I don't want an RFI generator: I already have one.
>
> I already have a few 13.8V 25A power supplies, one of which I would be
> quite willing to "crank up" to a higher voltage to compensate for the
> voltage drop in the control circuitry.
>
> Something like the West Mountain Radio "Super PwrGate" (PG40S) would

> work, although the automatic switch-over feature is not essential. That
> device is intended for Gel-Cell and AGM batteries and not recommended
> for flooded batteries -- absorption-charge voltage too low and
> float-charge voltage too high, their tech support people tell me.
>
> "Perce"

73. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-13 20:36:18 UTC
From: philo <philo@privacy.not>
Message-ID: <9hX5p.32776$nZ2.22378@newsfe03.iad>
Source record: 1233
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/13/2011 08:17 AM, Percival P. Cassidy wrote:
> On 02/13/11 03:14 am, No Spam wrote:
>
>>> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
>>> schematic so I can build my own -- suitable for a flooded deep-cycle
>>> battery, either a pair of 6V "golf cart" batteries in series or a Group
>>> 31.
>>>
>>> I don't want an RFI generator: I already have one.
>>>
>>> I already have a few 13.8V 25A power supplies, one of which I would be
>>> quite willing to "crank up" to a higher voltage to compensate for the
>>> voltage drop in the control circuitry.
>>>
>>> Something like the West Mountain Radio "Super PwrGate" (PG40S) would
>>> work, although the automatic switch-over feature is not essential. That
>>> device is intended for Gel-Cell and AGM batteries and not recommended
>>> for flooded batteries -- absorption-charge voltage too low and
>>> float-charge voltage too high, their tech support people tell me.
>
>> I am quite happy with my IOTA DLS-45 with the IQ Smart Controller
>>
>> http://www.iotaengineering.com/iq.htm
>>
>> Once a week it equalizes my batteries using 14v pulses. The batteries are
>> on their 14th year and can still run my shack for 5 days. (down from a
>> week when I initially purchased the batteries and charger)
>
> I wish I'd known about that IQ unit before I bought an Astron RS-35A
> just a month or two back.
>
> I was hoping I could find something not too expensive to take power from
> that P/S or from one of my RF-quiet "switchers" to look after the
> batteries. Texas Instruments has battery-charging ICs, but I haven't
> seen a practical circuit that uses one.
>
> "Perce"

You do not need anything too fancy...
to "float" the batteries all you need to do is keep them at approx 2.25
volts / cell...so it's possible that your 13.8 v charger will do the job...

You can test it by checking the total voltage after a 24 hour period...

ideally, a 12v battery should float at about 13.5 volts.

If the float voltage is a little higher or lower it won't be too
critical...but make sure it's well below the 14.2 v gassing point.

I've been in the lead-acid battery business for 36 years...
so have quite a bit of long term empirical data

74. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-13 21:05:54 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <7275066c-656f-4c07-b7e4-66ef135909ba@y12g2000prf.googlegroups.com>
Source record: 1234
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Hey OM:

All well and good but taking the battery up to 15.5volts is ok as long
as you keep adding water and have a well vented area to charge them
in. I tried a tested and true way of not going over 14.2 volts took to
long to get the full charge you can check it with a hydrometer and see
that best you can get is 80% of full charge going with 14.2 volts.

With a 18volt unregulated supply and the VSAT of 4 volts the max
charge current voltage can only be 14.00 volts period
you have to take it up to 15.5 volts to get the full charge period.
been there done that.

73 OM
de n8zu

On Feb 13, 3:36 pm, philo <ph...@privacy.not> wrote:
> On 02/13/2011 08:17 AM, Percival P. Cassidy wrote:
>
>
>
> > On 02/13/11 03:14 am, No Spam wrote:
>
> >>> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
> >>> schematic so I can build my own -- suitable for a flooded deep-cycle
> >>> battery, either a pair of 6V "golf cart" batteries in series or a Group
> >>> 31.
>
> >>> I don't want an RFI generator: I already have one.
>
> >>> I already have a few 13.8V 25A power supplies, one of which I would be
> >>> quite willing to "crank up" to a higher voltage to compensate for the
> >>> voltage drop in the control circuitry.
>
> >>> Something like the West Mountain Radio "Super PwrGate" (PG40S) would
> >>> work, although the automatic switch-over feature is not essential. That
> >>> device is intended for Gel-Cell and AGM batteries and not recommended
> >>> for flooded batteries -- absorption-charge voltage too low and
> >>> float-charge voltage too high, their tech support people tell me.
>
> >> I am quite happy with my IOTA DLS-45 with the IQ Smart Controller
>
> >>http://www.iotaengineering.com/iq.htm
>

> >> Once a week it equalizes my batteries using 14v pulses. The batteries are
> >> on their 14th year and can still run my shack for 5 days. (down from a
> >> week when I initially purchased the batteries and charger)
>
> > I wish I'd known about that IQ unit before I bought an Astron RS-35A
> > just a month or two back.
>
> > I was hoping I could find something not too expensive to take power from
> > that P/S or from one of my RF-quiet "switchers" to look after the
> > batteries. Texas Instruments has battery-charging ICs, but I haven't
> > seen a practical circuit that uses one.
>
> > "Perce"
>
> You do not need anything too fancy...
> to "float" the batteries all you need to do is keep them at approx 2.25
> volts / cell...so it's possible that your 13.8 v charger will do the job...
>
> You can test it by checking the total voltage after a 24 hour period...
>
> ideally, a 12v battery should float at about 13.5 volts.
>
> If the float voltage is a little higher or lower it won't be too
> critical...but make sure it's well below the 14.2 v gassing point.
>
> I've been in the lead-acid battery business for 36 years...
> so have quite a bit of long term empirical data

75. HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-14 12:20:28 UTC
From: suma <satyamsivam9030@gmail.com>
Message-ID: <aa513bca-6682-4915-bbc7-55f6adafa4b3@r19g2000prm.googlegroups.com>
Source record: 1235

BEAUTIFUL LARADATTA
http://karomasti9.blogspot.com/search/label/laradatta
NIKISHA HOT BOOBS
http://karomasti9.blogspot.com/search/label/nikisha
PRIYANKA SPICY LATEST PICS
http://karomasti9.blogspot.com/search/label/priyanka
ONLY FOR YOUTH
http://karomasti9.blogspot.com/search/label/spicy
SRILEKHA UNSEENED PHOTOS
http://karomasti9.blogspot.com/search/label/Srilekha
CHOPRA UNBELIVABLE PHOTOS
http://karomasti9.blogspot.com/search/label/chopra
HOT BIPASA BASU PHOTOS
http://karomasti9.blogspot.com/search/label/bipasa
TRISHA IN A SEXY FEEL
http://karomasti9.blogspot.com/search/label/thrisha
SRISHA HOT BOOBS SHOW
http://karomasti9.blogspot.com/search/label/srisha
BEAUTIFUL POONAM PHOTOS
http://karomasti9.blogspot.com/search/label/poonam

76. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-14 20:39:13 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijc3tistd1@news.eternal-september.org>
Source record: 1236
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

West Mountain Radio claims that their "Super PwrGate" has a voltage drop
of only 0.3V to 0.4V, so they can charge a Gel-Cell battery from a 13.8V
P/S or can handle an AGM battery simply by raising the P/S voltage to
14.1V. Any idea what they use for a pass transistor?

The "Micro M+" solar battery charger described in some recent editions
of the ARRL Handbook uses the STP80PF55 P-Channel MOSFET
(80 Amp, R[DSon] = 0.016 Ohm) as the control device. Could this be used
in conjunction with the UC3906 without too much difficulty?

"Perce"

On 02/13/11 03:35 pm, raypsi wrote:

> I used to charge a deep cycle flooded marine battery with the TI
> UC3906
> data sheet here: http://focus.ti.com/lit/ds/symlink/uc3906.pdf
> all you need is a few precision pots and the low resistance resistor
> you need to set the max charge current.
> I had a 115AH deep cycle flooded marine battery that with a straight
> no frills charge took 4 days to charge fully, tested by hydrometer
> With 1 foot of 14 gauge wire for the max charge resistor and precision
> 10 turn pots to set the other settings, and a 30 amp PNP pass
> transistor on a fan cooled heat sink I was able to charge that battery
> in 8 hours full charge, then it goes to a maintain charge, not a
> trickle charge.
>
> Basically I was charging at 23 amps after the UC3906 checked that no
> cells were bad, then once it gets to a predetermined voltage it scales
> back the charge, all the levels for this are set by multiple precision
> pots and you can take it thru 4 levels of charge. I had the max
> setting for 15.5 volts when the battery was fully charged to roll back
> to maintain charge.
>
> You will need a unregulated 18 volt supply, because the PNP drops 4
> volts in VSAT. and once it gets the battery up there in voltage, the
> PNP doesn't need to be full on in VSAT
>
> After using auto chargers and straight charges I found the UC3906 the
> best choice over all.
>
> There is a switch mode TI chip also but you don't want that one
>
>

> Mouser stocks these last time I bought them it was like $4 each.
>
>
>
>
> On Feb 12, 6:42 pm, "Percival P. Cassidy"<Nob...@NotMyISP.com> wrote:
>> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
>> schematic so I can build my own -- suitable for a flooded deep-cycle
>> battery, either a pair of 6V "golf cart" batteries in series or a Group 31.
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>> device is intended for Gel-Cell and AGM batteries and not recommended
>> for flooded batteries -- absorption-charge voltage too low and
>> float-charge voltage too high, their tech support people tell me.
>>
>> "Perce"
>

77. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-14 21:42:29 UTC
From: philo <philo@privacy.not>
Message-ID: <alh6p.18513$w57.17442@newsfe13.iad>
Source record: 1237
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/13/2011 03:05 PM, raypsi wrote:
> Hey OM:
>
> All well and good but taking the battery up to 15.5volts is ok as long
> as you keep adding water and have a well vented area to charge them
> in. I tried a tested and true way of not going over 14.2 volts took to
> long to get the full charge you can check it with a hydrometer and see
> that best you can get is 80% of full charge going with 14.2 volts.

That's the entire point of float charging a battery...
you do not have to add water and you do not have excess hydrogen
production...in "normal" charging...the battery voltage would rise to
approx 15volts during the last 20 minutes or so of charge

The OP specifically said he wanted to float charge
>

<snip>

78. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-14 23:58:49 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijcfjrvoc1@news.eternal-september.org>
Source record: 1238
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/13/11 03:36 pm, philo wrote:

>>>> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
>>>> schematic so I can build my own -- suitable for a flooded deep-cycle
>>>> battery, either a pair of 6V "golf cart" batteries in series or a Group
>>>> 31.

<snip>

> You do not need anything too fancy...
> to "float" the batteries all you need to do is keep them at approx 2.25
> volts / cell...so it's possible that your 13.8 v charger will do the job...
>
> You can test it by checking the total voltage after a 24 hour period...
>
> ideally, a 12v battery should float at about 13.5 volts.
>
> If the float voltage is a little higher or lower it won't be too
> critical...but make sure it's well below the 14.2 v gassing point.
>
> I've been in the lead-acid battery business for 36 years...
> so have quite a bit of long term empirical data

The West Mountain Radio people told me that their "Super PwrGate"'s
13.5V float setting voltage (not adjustable) might be too high for a
flooded deep-cycle battery. Their user manual refers users to

www.windsun.com/batteries/battery_FAQ.htm

which recommends per-cell float voltages flooded deep-cycle batteries
that translate to 13.02V to 13.20V for a 6-cell battery.

"Perce"

79. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-15 00:06:20 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijcg1u$1h6$1@news.eternal-september.org>
Source record: 1239
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Oops! I was writing from memory and got it wrong: West Mountain Radio specify cranking the P/S up to 14.1V for Gel-Cells and to 14.5V for AGM batteries -- to allow absorption-charge voltages of 13.8V and 14.2V, respectively.

And the voltage drop is 0.25V to 0.5V, depending on current.

"Perce"

On 02/14/11 03:39 pm, I wrote:

> West Mountain Radio claims that their "Super PwrGate" has a voltage drop
> of only 0.3V to 0.4V, so they can charge a Gel-Cell battery from a 13.8V
> P/S or can handle an AGM battery simply by raising the P/S voltage to
> 14.1V. Any idea what they use for a pass transistor?
>
> The "Micro M+" solar battery charger described in some recent editions
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> (80 Amp, R[DSon] = 0.016 Ohm) as the control device. Could this be used
> in conjunction with the UC3906 without too much difficulty?
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>
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>> data sheet here: http://focus.ti.com/lit/ds/symlink/uc3906.pdf
>> all you need is a few precision pots and the low resistance resistor
>> you need to set the max charge current.
>> I had a 115AH deep cycle flooded marine battery that with a straight
>> no frills charge took 4 days to charge fully, tested by hydrometer
>> With 1 foot of 14 gauge wire for the max charge resistor and precision
>> 10 turn pots to set the other settings, and a 30 amp PNP pass
>> transistor on a fan cooled heat sink I was able to charge that battery
>> in 8 hours full charge, then it goes to a maintain charge, not a
>> trickle charge.
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>> cells were bad, then once it gets to a predetermined voltage it scales
>> back the charge, all the levels for this are set by multiple precision
>> pots and you can take it thru 4 levels of charge. I had the max
>> setting for 15.5 volts when the battery was fully charged to roll back
>> to maintain charge.

>>
>> You will need a unregulated 18 volt supply, because the PNP drops 4
>> volts in VSAT. and once it gets the battery up there in voltage, the
>> PNP doesn't need to be full on in VSAT
>>
>> After using auto chargers and straight charges I found the UC3906 the
>> best choice over all.
>>
>> There is a switch mode TI chip also but you don't want that one
>>
>>
>> Mouser stocks these last time I bought them it was like $4 each.
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>>
>>
>>
>> On Feb 12, 6:42 pm, "Percival P. Cassidy"<Nob...@NotMyISP.com> wrote:
>>> I'm looking for charger/maintainer -- either an off-the-shelf unit or a
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>>> battery, either a pair of 6V "golf cart" batteries in series or a
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>>> I don't want an RFI generator: I already have one.
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>>> voltage drop in the control circuitry.
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>>> Something like the West Mountain Radio "Super PwrGate" (PG40S) would
>>> work, although the automatic switch-over feature is not essential. That
>>> device is intended for Gel-Cell and AGM batteries and not recommended
>>> for flooded batteries -- absorption-charge voltage too low and
>>> float-charge voltage too high, their tech support people tell me.
>>>
>>> "Perce"
>>
>

80. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-15 01:29:39 UTC
From: philo <philo@privacy.not>
Message-ID: <8Gk6p.7178$7P3.6033@newsfe21.iad>
Source record: 1240
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/14/2011 05:58 PM, Percival P. Cassidy wrote:
> On 02/13/11 03:36 pm, philo wrote:
>
>>>>> I'm looking for charger/maintainer -- either an off-the-shelf unit
>>>>> or a
>>>>> schematic so I can build my own -- suitable for a flooded deep-cycle
>>>>> battery, either a pair of 6V "golf cart" batteries in series or a
>>>>> Group
>>>>> 31.
>
> <snip>
>
>> You do not need anything too fancy...
>> to "float" the batteries all you need to do is keep them at approx 2.25
>> volts / cell...so it's possible that your 13.8 v charger will do the
>> job...
>>
>> You can test it by checking the total voltage after a 24 hour period...
>>
>> ideally, a 12v battery should float at about 13.5 volts.
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>> critical...but make sure it's well below the 14.2 v gassing point.
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>> I've been in the lead-acid battery business for 36 years...
>> so have quite a bit of long term empirical data
>
> The West Mountain Radio people told me that their "Super PwrGate"'s
> 13.5V float setting voltage (not adjustable) might be too high for a
> flooded deep-cycle battery. Their user manual refers users to
>
> www.windsun.com/batteries/battery_FAQ.htm
>
> which recommends per-cell float voltages flooded deep-cycle batteries
> that translate to 13.02V to 13.20V for a 6-cell battery.
>
> "Perce"

That link did not work...but really, the exact float voltage is not that critical...the free gassing point of a lead acid battery is 2.37 volts /cell or 14.2 v for a 6 cell battery...

to float the battery you must stay reasonably below the gassing point or there will be considerable water consumption...hydrogen and oxygen

production and heating.

OTOH: the nominal open circuit voltage of a fully charged lead acid
battery is 2.12 volts / cell or 12.7v for a 6 cell battery....

so anywhere from 13.1 - 13.8 volts would work for "floating".

Back in the old days when I started in the industry,
the settings on the chargers could drift a bit...so we'd try to keep
everything in the middle of the accepted range or about 13.5 volts

If the battery is going to be on float for an extended period of time...
though the water consumption is minimal...it still needs to be checked
periodically and topped off as needed (never fill a battery up into the
"neck" area...the water level should be a bit below it)

Finally...a few times a year the battery should be equalize charged to
avoid the possibility of sulfation. Usually 6 hours will suffice.
The battery should be brought up to 14.2 volts and allowed to rise to
approx 15 volts depending on the type of charger

81. HOT RARE HOT VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-15 01:46:21 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <7a80f754-c3f6-4212-8cf7-3ec8965963dc@o39g2000prb.googlegroups.com>
Source record: 1241

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

82. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-15 04:08:10 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijcu7c$7jg$1@news.eternal-september.org>
Source record: 1242
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/14/11 08:29 pm, philo wrote:

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>>>>>> battery, either a pair of 6V "golf cart" batteries in series or a
>>>>>> Group
>>>>>> 31.
>>
>> <snip>
>>
>>> You do not need anything too fancy...
>>> to "float" the batteries all you need to do is keep them at approx 2.25
>>> volts / cell...so it's possible that your 13.8 v charger will do the
>>> job...
>>>
>>> You can test it by checking the total voltage after a 24 hour period...
>>>
>>> ideally, a 12v battery should float at about 13.5 volts.
>>>
>>> If the float voltage is a little higher or lower it won't be too
>>> critical...but make sure it's well below the 14.2 v gassing point.
>>>
>>> I've been in the lead-acid battery business for 36 years...
>>> so have quite a bit of long term empirical data
>>
>> The West Mountain Radio people told me that their "Super PwrGate"'s
>> 13.5V float setting voltage (not adjustable) might be too high for a
>> flooded deep-cycle battery. Their user manual refers users to
>>
>> www.windsun.com/batteries/battery_FAQ.htm
>>
>> which recommends per-cell float voltages flooded deep-cycle batteries
>> that translate to 13.02V to 13.20V for a 6-cell battery.

> That link did not work...but really, the exact float voltage is not that
> critical...the free gassing point of a lead acid battery is 2.37 volts
> /cell or 14.2 v for a 6 cell battery...

The link worked for me just now -- at least when I added the http://
ahead of it.

> to float the battery you must stay reasonably below the gassing point or
> there will be considerable water consumption...hydrogen and oxygen

> production and heating.
>
>
> OTOH: the nominal open circuit voltage of a fully charged lead acid
> battery is 2.12 volts / cell or 12.7v for a 6 cell battery....
>
> so anywhere from 13.1 - 13.8 volts would work for "floating".
>
> Back in the old days when I started in the industry,
> the settings on the chargers could drift a bit...so we'd try to keep
> everything in the middle of the accepted range or about 13.5 volts
>
>
> If the battery is going to be on float for an extended period of time...
> though the water consumption is minimal...it still needs to be checked
> periodically and topped off as needed (never fill a battery up into the
> "neck" area...the water level should be a bit below it)
>
> Finally...a few times a year the battery should be equalize charged to
> avoid the possibility of sulfation. Usually 6 hours will suffice.
> The battery should be brought up to 14.2 volts and allowed to rise to
> approx 15 volts depending on the type of charger

The "Super PwrGate" claims to take care of all phases except equalizing
-- but only for Gel-Cell and AGM batteries. "No Spam" says that the
Iota/IQ system even does regular (weekly!) equalization charges.

I was hoping to find or build something cheaper that could serve as a
controller to make use of one of the power supplies I own already as the
power source.

"Perce"

83. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-15 21:05:03 UTC
From: philo <philo@privacy.not>
Message-ID: <5UB6p.22320$y_7.9063@newsfe10.iad>
Source record: 1243
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/14/2011 10:08 PM, Percival P. Cassidy wrote:
> On 02/14/11 08:29 pm, philo wrote:
>
>>>>>>> I'm looking for charger/maintainer -- either an off-the-shelf unit
>>>>>>> or a
>>>>>>> schematic so I can build my own -- suitable for a flooded deep-cycle
>>>>>>> battery, either a pair of 6V "golf cart" batteries in series or a
>>>>>>> Group
>>>>>>> 31.
>>>
<snip>

> The link worked for me just now -- at least when I added the http://
> ahead of it.
>
>> to float the battery you must stay reasonably below the gassing point or
>> there will be considerable water consumption...hydrogen and oxygen
>> production and heating.
>>
>>
>> OTOH: the nominal open circuit voltage of a fully charged lead acid
>> battery is 2.12 volts / cell or 12.7v for a 6 cell battery....
>>
>> so anywhere from 13.1 - 13.8 volts would work for "floating".
>>
>> Back in the old days when I started in the industry,
>> the settings on the chargers could drift a bit...so we'd try to keep
>> everything in the middle of the accepted range or about 13.5 volts
>>
>>
>> If the battery is going to be on float for an extended period of time...
>> though the water consumption is minimal...it still needs to be checked
>> periodically and topped off as needed (never fill a battery up into the
>> "neck" area...the water level should be a bit below it)
>>
>> Finally...a few times a year the battery should be equalize charged to
>> avoid the possibility of sulfation. Usually 6 hours will suffice.
>> The battery should be brought up to 14.2 volts and allowed to rise to
>> approx 15 volts depending on the type of charger
>
> The "Super PwrGate" claims to take care of all phases except equalizing
> -- but only for Gel-Cell and AGM batteries. "No Spam" says that the
> Iota/IQ system even does regular (weekly!) equalization charges.

>
> I was hoping to find or build something cheaper that could serve as a
> controller to make use of one of the power supplies I own already as the
> power source.
>
> "Perce"

I'd give one of your power supplies a try and see if it gives you an
acceptable float voltage...

If not, then one of the commercial ones would probably be a lot easier
than trying to build one yourself

84. Welcome to PhoToZfAiR

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 06:12:22 UTC
From: Saima Noor <saima.shah111@gmail.com>
Message-ID: <2aa797d9-74fb-47bd-adc5-b28df6b0a6bd@8g2000prt.googlegroups.com>
Source record: 1244

http://www.photozfair.com
http://www.photozfair.com
http://www.photozfair.com
free classified sites, Art/Paintings, Amazing, Celebrties, Pakistani
Celebrties, Indian Celebrities, Cars, Funny, Islamic, Motorbike,
Natural, World Hotels, Forex Trading, Web Hosting, Computer, Fantasy,
Flowers, Food, Games, Love, Sports,

85. Fitz's "phase coherence" FACT was at the Top Spot in Google for FOUR Months, beginning September 23, 2010.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 14:11:14 UTC
From: fitz <zeusrdx@yahoo.com>
Message-ID: <7938a5ce-0eba-4167-b0ae-11476a2b4a5d@o39g2000prb.googlegroups.com>
Source record: 1245

Fitz's "phase coherence" FACT was at the Top Spot in Google for FOUR
Months, beginning September 23, 2010.

(Click link below.)

http://www.amperefitz.com/phase.coherence.htm

http://www.amperefitz.com/top.spot.htm

All the invisible ATTRACTING forces are nothing but Phase Coherence?

86. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 15:15:45 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <27844292-48a7-4085-8ed7-2b962f549a98@o7g2000prn.googlegroups.com>
Source record: 1246
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

> If not, then one of the commercial ones would probably be a lot easier
> than trying to build one yourself-

Hey ole timer:

First and formost this is a homebrew group.
To suggest to not build and to buy a commercial of the shelf reay to
use product, is like those sex ads that get posted here, they both
have nothing to do with homebrew.

Lastly I built a flooded lead acid charger. I only bought one part the
IC UC3906, I already had a solderless breadboard, the resistors and
capacitors in my junk drawer
The hardest part was figuring the resistor values and how to make
those values, and that was easy.
The heatsink fan came from an old CPU fan heatsink, and I mounted the
pass transistor to that heatsink fan.
I think that the UC3906 was the best think since sliced bread

73 ole timer
de n8zu

87. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 16:34:08 UTC
From: Audio1 <Audio1@where.net>
Message-ID: <50T6p.62862$Gq3.22299@newsfe09.iad>
Source record: 1247
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 2/16/2011 10:15 AM, raypsi wrote:
>
>> If not, then one of the commercial ones would probably be a lot easier
>> than trying to build one yourself-
>
> Hey ole timer:
>
>
> First and formost this is a homebrew group.

So stop cross-posting to rec.radio.amateur.equipment

That's EQUIPMENT. Commercially built as well as home brew.

I ignore hams when it comes to battery equipment and pay attention to
people who trust their lives to their batteries,
http://www.morganscloud.com/2011/02/10/eleven-steps-to-better-battery-life/

88. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 18:00:02 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijh3bt$3nn$1@news.eternal-september.org>
Source record: 1248
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/16/11 11:34 am, Audio1 wrote:

>>> If not, then one of the commercial ones would probably be a lot easier
>>> than trying to build one yourself-
>>
>> Hey ole timer:
>>
>>
>> First and formost this is a homebrew group.
>
> So stop cross-posting to rec.radio.amateur.equipment
>
> That's EQUIPMENT. Commercially built as well as home brew.

I guess it's my (the OP) fault: I cross-posted my original question --
asking about off-the-shelf or homebrew solutions -- to both
r.r.a.equipment and r.r.a.homebrew, and all the responses have gone to both.

> I ignore hams when it comes to battery equipment and pay attention to
> people who trust their lives to their batteries,
> http://www.morganscloud.com/2011/02/10/eleven-steps-to-better-battery-life/

I'll check that out.

"Perce"

89. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 20:20:09 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijhbhr$rv4$1@news.eternal-september.org>
Source record: 1249
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/16/11 10:15 am, raypsi wrote:

<snip>

> ... I built a flooded lead acid charger. I only bought one part the
> IC UC3906, I already had a solderless breadboard, the resistors and
> capacitors in my junk drawer
> The hardest part was figuring the resistor values and how to make
> those values, and that was easy.
> The heatsink fan came from an old CPU fan heatsink, and I mounted the
> pass transistor to that heatsink fan.
> I think that the UC3906 was the best think since sliced bread

I've seen schematics and board layouts for SLA chargers based on the UC3906. VK3EM's uses SMT components, while N5BIA's uses discrete components -- but both are only for charging currents of 2A or so.

For what current did you build yours? If high-current, what pass transistor(s) did you use?

N5BIA offers a kit, and I was wondering whether this could be beefed up to handle 25A by adding 12ga wire to all the charging-current traces and substituting higher-current pass transistor(s). I'd have to recalculate the resistor values to suit a flooded battery, of course. And what about using a P-channel MOSFET device, such as the STP80PF55 that the "Micro M+" uses?

"Perce"

90. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 20:22:44 UTC
From: philo <philo@privacy.not>
Message-ID: <pmW6p.26722$4L4.12874@newsfe11.iad>
Source record: 1250

On 02/16/2011 12:00 PM, Percival P. Cassidy wrote:
> On 02/16/11 11:34 am, Audio1 wrote:
> d r.r.a.homebrew, and all the responses have gone to
> both.
>

<snip>
>> I ignore hams when it comes to battery equipment and pay attention to
>> people who trust their lives to their batteries,
>> http://www.morganscloud.com/2011/02/10/eleven-steps-to-better-battery-life/
>>
>
> I'll check that out.
>
> "Perce"

You can take my advice or leave it...
that's up to you.

I'm a senior service engineer who's been in the (lead acid) battery
business for 36 years.

I assure you that "float charging" a battery is not rocket science
and you do not have to get too fancy

(but if you want to, that's fine)

91. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 21:01:23 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <ijhdv4$41o$1@news.eternal-september.org>
Source record: 1151

On 02/16/11 03:22 pm, philo wrote:

>>> I ignore hams when it comes to battery equipment and pay attention to
>>> people who trust their lives to their batteries,
>>> http://www.morganscloud.com/2011/02/10/eleven-steps-to-better-battery-life/

>> I'll check that out.

> You can take my advice or leave it...
> that's up to you.
>
> I'm a senior service engineer who's been in the (lead acid) battery
> business for 36 years.
>
> I assure you that "float charging" a battery is not rocket science
> and you do not have to get too fancy
>
> (but if you want to, that's fine)

I know that I can connect a *suitable* P/S set to an appropriate voltage
to "float" my batteries *if that is all I want to do* (my little Astron
"switcher" is doing it right now), but I was hoping to get or build
something that will handle the initial phases of charging a
significantly discharged battery then switch automatically to "float" mode.

"Perce"

92. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-16 21:56:19 UTC
From: dplatt@radagast.org
Message-ID: <3ptt28-nph.ln1@radagast.org>
Source record: 1152
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

In article <ijhbhr$rv4$1@news.eternal-september.org>,
Percival P. Cassidy <Nobody@NotMyISP.com> wrote:

>N5BIA offers a kit, and I was wondering whether this could be beefed up
>to handle 25A by adding 12ga wire to all the charging-current traces and
>substituting higher-current pass transistor(s).

... and huge heatsinks.

> I'd have to recalculate
>the resistor values to suit a flooded battery, of course. And what about
>using a P-channel MOSFET device, such as the STP80PF55 that the "Micro
>M+" uses?

The thing about a low-Rds-on MOSFET, or a low-Vce-sat PNP, is that it really only gains you a benefit under one circumstance: when it's "hard on", acting as much as possible like a short-circuit. This will happen only during the "bulk" fast-charge stage... and only if the charge controller "sees" that the raw (unregulated) power supply circuit isn't capable of pushing more amps into the battery than the design allows.

If the charge control circuit finds it necessary to reduce _either_ the charge amperage, or the voltage being delivered to the battery, in order to charge the battery safely, then the pass transistor will be "partially off". There will be a significant voltage across it (roughly speaking, Vsupply - Vbattery) and lots of amperage, and so it will be dissipating a lot of energy as heat.

At that point, the actual Rds-on of a MOSFET, or the Vce-sat of a PNP, will matter not at all. You'll have to dissipate (Vsupply-Vbat)*Icharge watts of heat in the transistor.

Now, if you happen to have been careful (or lucky) enough in the design of your "raw" power supply, things will look good. By "careful or lucky", I mean that you've put together a raw supply which just happens to run out of "oomph" at exactly the right moment... the effort of delivering 25A into the battery just happens to cause the supply to sag down to the right voltage (equal to a voltage in the range you want to be charging at). Under those conditions, the whole system will be running "flat out", the pass transistor will be turned on as hard as it can be, and heat dissipation in the transistor will be minimized by using a low-voltage-drop transistor of some sort.

However, this approach has pitfalls... it will be finicky to get right (component selection will be difficult) and it will probably be very

sensitive to variations in the AC power-line voltage. In real life, you'd find that much of the time, either you aren't getting the full 25A of charge current (line voltage too low), or the voltage and/or current are potentially too high and the charger is having to back off turn down the pass transistor (at which point there's no longer an advantage to a low-voltage-drop transistor).

If you want to deliver a high charging current, with good control and low losses, under a fairly wide range of conditions, I think you'd probably want to use a different approach... use a buck-mode switching regulator rather than a linear pass-transistor system. With that approach, the pass element would almost always be fully-on or fully-off, and thus there'd be a real benefit to a low-resistance MOSFET or a low-saturation power bipolar part.

--
Dave Platt <dplatt@radagast.org> AE6EO
Friends of Jade Warrior home page: http://www.radagast.org/jade-warrior
I do _not_ wish to receive unsolicited commercial email, and I will boycott any company which has the gall to send me such ads!

93. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-17 02:29:25 UTC
From: "Percival P. Cassidy" <Nobody@NotMyISP.com>
Message-ID: <iji166$sd8$1@news.eternal-september.org>
Source record: 1153
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On 02/16/11 04:56 pm, Dave Platt wrote:

>> N5BIA offers a kit, and I was wondering whether this could be beefed up
>> to handle 25A by adding 12ga wire to all the charging-current traces and
>> substituting higher-current pass transistor(s).
>
> ... and huge heatsinks.

Of course. His kit includes only the PC board and the PCB-mounted components anyway, so I would have to provide my own enclosure and heat sink (well, maybe it does include a clip-on heat sink; I don't recall).

>> I'd have to recalculate
>> the resistor values to suit a flooded battery, of course. And what about
>> using a P-channel MOSFET device, such as the STP80PF55 that the "Micro
>> M+" uses?
>
> The thing about a low-Rds-on MOSFET, or a low-Vce-sat PNP, is that it
> really only gains you a benefit under one circumstance: when it's
> "hard on", acting as much as possible like a short-circuit. This will
> happen only during the "bulk" fast-charge stage... and only if the
> charge controller "sees" that the raw (unregulated) power supply
> circuit isn't capable of pushing more amps into the battery than the
> design allows.
>
> If the charge control circuit finds it necessary to reduce _either_
> the charge amperage, or the voltage being delivered to the battery, in
> order to charge the battery safely, then the pass transistor will be
> "partially off". There will be a significant voltage across it
> (roughly speaking, Vsupply - Vbattery) and lots of amperage, and so it
> will be dissipating a lot of energy as heat.
>
> At that point, the actual Rds-on of a MOSFET, or the Vce-sat of a PNP,
> will matter not at all. You'll have to dissipate (Vsupply-Vbat)*Icharge
> watts of heat in the transistor.

My idea of using a MOSFET was to avoid the voltage drop of a junction transistor so that it could be fed from a regular P/S that has been cranked up only a little -- as with the "Super PwrGate," which has a voltage drop of no more than 0.5V; any idea what West Mountain Radio uses to accomplish that? So Vsupply - Vbattery would be low, and also the power dissipation.

> Now, if you happen to have been careful (or lucky) enough in the
> design of your "raw" power supply, things will look good. By "careful

> or lucky", I mean that you've put together a raw supply which just
> happens to run out of "oomph" at exactly the right moment... the
> effort of delivering 25A into the battery just happens to cause the
> supply to sag down to the right voltage (equal to a voltage in the
> range you want to be charging at). Under those conditions, the
> whole system will be running "flat out", the pass transistor will be
> turned on as hard as it can be, and heat dissipation in the transistor
> will be minimized by using a low-voltage-drop transistor of some sort.
>
> However, this approach has pitfalls... it will be finicky to get right
> (component selection will be difficult) and it will probably be very
> sensitive to variations in the AC power-line voltage. In real life,
> you'd find that much of the time, either you aren't getting the full
> 25A of charge current (line voltage too low), or the voltage and/or
> current are potentially too high and the charger is having to back off
> turn down the pass transistor (at which point there's no longer an
> advantage to a low-voltage-drop transistor).
>
> If you want to deliver a high charging current, with good control and
> low losses, under a fairly wide range of conditions, I think you'd
> probably want to use a different approach... use a buck-mode switching
> regulator rather than a linear pass-transistor system. With that
> approach, the pass element would almost always be fully-on or
> fully-off, and thus there'd be a real benefit to a low-resistance
> MOSFET or a low-saturation power bipolar part.

I'm trying to avoid switching-type circuitry, since I already have RFI-quiet regulated power supplies that are capable of supplying the desired maximum voltage and current. It's just a matter of reducing the voltage at the appropriate stages of the charging/maintenance process.

I was looking at the Super PwrGate until WMR's tech guy pointed out that the absorption voltage is too low and the float voltage possibly too high for flooded batteries. If I knew that it used a UC3906 and did not use SMT components I might be willing to try modifying one, but I don't have that information.

"Perce"

94. Re: Battery charger/maintainer for flooded deep-cycle batteries?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-17 21:36:14 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <22b69628-7b2e-4eb8-a308-0153a2e788c5@r12g2000vbd.googlegroups.com>
Source record: 1154
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On Feb 16, 3:20 pm, "Percival P. Cassidy" <Nob...@NotMyISP.com> wrote:
> On 02/16/11 10:15 am, raypsi wrote:
>
> <snip>
>
> > ... I built a flooded lead acid charger. I only bought one part the
> > IC UC3906, I already had a solderless breadboard, the resistors and
> > capacitors in my junk drawer
> > The hardest part was figuring the resistor values and how to make
> > those values, and that was easy.
> > The heatsink fan came from an old CPU fan heatsink, and I mounted the
> > pass transistor to that heatsink fan.
> > I think that the UC3906 was the best think since sliced bread
>
> I've seen schematics and board layouts for SLA chargers based on the
> UC3906. VK3EM's uses SMT components, while N5BIA's uses discrete
> components -- but both are only for charging currents of 2A or so.
>
> For what current did you build yours? If high-current, what pass
> transistor(s) did you use?
>
> N5BIA offers a kit, and I was wondering whether this could be beefed up
> to handle 25A by adding 12ga wire to all the charging-current traces and
> substituting higher-current pass transistor(s). I'd have to recalculate
> the resistor values to suit a flooded battery, of course. And what about
> using a P-channel MOSFET device, such as the STP80PF55 that the "Micro
> M+" uses?
>
> "Perce"

There is no design on the internet for charging a flooded lead acid
battery at the levels I use. There is a reason for this it's called
lithium ion cells.

I used to make a living selling NTE parts. NTE always bought the cream
of the JAN type transistors, so they could sub tonnes of transistors
with one number. When the regulator went south on my car alternator I
used a NTE180 to drive the field winding with a zener regulator I
mounted the heat sink right to the positive side of the battery; when
that car died the day the big tsunami hit back on boxer day 2005 I
took the NTE180 out.

I use an NTE180 30 amp PNP transistor and 1 foot of 14 gauge wire to
set up the main charge current, I use a 23amp PS from the filtered

unregulated side to the input of the 14 gauge wire to collector of the PNP. the UC3906 looks at the voltage across the 14ga. wire and directly drives the PNP. I snake the wires for the emitter and base of the PNP thru the heatsink fins. I used the TI data sheet for the UC3906 to calculate the settings for the different charge cycles. The 14 ga wire and the pass transistor are the only off the solderless board parts
I wound the 14 ga wire in a pancake style coil so it fits right over the heat sink

I had to use single turn trim pots and series resistors to set the different charge cycles from the equations provided by the data sheet on the UC3906

I did alot of research on my power supply, the others that used a UC3906 on the internet could not be used to recalculate the resistor values for the UC3906 for a large flooded lead acid battery. There were to many mistakes as I found out.
Using the TI data sheet, is the best way to go, it looks like rocket science but it's easy.\\

73 OM
de n8zu

95. help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 15:20:12 UTC
From: amdx <amdx@knology.net>
Message-ID: <2c016$4d6130ec$18ec6dd7$14303@KNOLOGY.NET>
Source record: 1155
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

Hi all,
I finished the amp that had the 5 Ghz transistor, I changed it to a slower one.
The objective of this amp is to cause minimal loading of the circuit it is measuring.
When I install the box cover the voltage gain drops by 7%, so I think the input capacitor
plate is being loaded by the cover.
The input capacitor plates can be seen here;

http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg

The plates are 1 cm x 1 cm spaced 5 mm apart.

I have thoughts about rectangular plates 0.25 cm x 4 cm to get more distance from the top cover, (and the bottom.)
Or a real gimmick cap where I twist a couple of 39 Gauge wires together and attach opposite ends to input and output.

Any ideas to minimize input capacitance to the box?

Here's the amp in box.
http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg

This is the original circuit page with schematic;
http://www.crystal-radio.eu/enfetamp.htm
Thanks, Mike

PS, I was having trouble getting some close-up pictures, I grabbed a magnifying glass and took some
pictures through that, works good.

96. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 15:52:18 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <77047df4-a98f-4ccc-b17b-cf8086cec7fa@u12g2000vbf.googlegroups.com>
Source record: 1156
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 10:20 am, "amdx" <a...@knology.net> wrote:
> Hi all,
> I finished the amp that had the 5 Ghz transistor, I changed it to a slower
> one.
> The objective of this amp is to cause minimal loading of the circuit it is
> measuring.
> When I install the box cover the voltage gain drops by 7%, so I think the
> input capacitor
> plate is being loaded by the cover.
> The input capacitor plates can be seen here;
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> http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> distance from the top cover, (and the bottom.)
> Or a real gimmick cap where I twist a couple of 39 Gauge wires together and
> attach opposite ends to input and output.
>
> Any ideas to minimize input capacitance to the box?
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> Here's the amp in
box.http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> This is the original circuit page with
schematic;http://www.crystal-radio.eu/enfetamp.htm
> Thanks, Mike
>
> PS, I was having trouble getting some close-up pictures, I grabbed a
> magnifying glass and took some
> pictures through that, works good.

The old-tyme gimmick was two wires, twisted together. That would
contain the field better than your open plates.

Another alternative: you could surround your cap with a shield and
drive the shield from the FET source, bootstrapping it.

--
Cheers,
James Arthur

97. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 16:14:37 UTC
From: amdx <amdx@knology.net>
Message-ID: <1fcba$4d613df4$18ec6dd7$20370@KNOLOGY.NET>
Source record: 1157
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

<dagmargoodboat@yahoo.com> wrote in message
news:77047df4-a98f-4ccc-b17b-cf8086cec7fa@u12g2000vbf.googlegroups.com...
On Feb 20, 10:20 am, "amdx" <a...@knology.net> wrote:
> Hi all,
> I finished the amp that had the 5 Ghz transistor, I changed it to a slower
> one.
> The objective of this amp is to cause minimal loading of the circuit it is
> measuring.
> When I install the box cover the voltage gain drops by 7%, so I think the
> input capacitor
> plate is being loaded by the cover.
> The input capacitor plates can be seen here;
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> http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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> The plates are 1 cm x 1 cm spaced 5 mm apart.
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> I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> distance from the top cover, (and the bottom.)
> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
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> attach opposite ends to input and output.
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> Any ideas to minimize input capacitance to the box?
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> Here's the amp in
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> Thanks, Mike
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> PS, I was having trouble getting some close-up pictures, I grabbed a
> magnifying glass and took some
> pictures through that, works good.
.....
>The old-tyme gimmick was two wires, twisted together. That would
>contain the field better than your open plates.

>Another alternative: you could surround your cap with a shield and
>drive the shield from the FET source, bootstrapping it.

>--
>Cheers,

>James Arthur

Hi James,
The twisted pair may be the easiest, but as a thought, if I took a piece of coax and
removed the center conductor leaving just the shield, then inserted a twisted pair as my capacitor.
I then connect the shield the FET source, Ok, I have never bootstrapped before, but wouldn't I
then have a higher potential than desired, even a possibility of oscillation?
Mikek
PS. Do I have any concern about inductive coupling with a twisted pair?

98. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 16:46:28 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <570afcef-5600-4f89-9cb3-e45db0759566@x11g2000yqc.googlegroups.com>
Source record: 1158
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 11:14 am, "amdx" <a...@knology.net> wrote:
> <dagmargoodb...@yahoo.com> wrote in message
>
> news:77047df4-a98f-4ccc-b17b-cf8086cec7fa@u12g2000vbf.googlegroups.com...
> On Feb 20, 10:20 am, "amdx" <a...@knology.net> wrote:
>
> > Hi all,
> > I finished the amp that had the 5 Ghz transistor, I changed it to a slower
> > one.
> > The objective of this amp is to cause minimal loading of the circuit it is
> > measuring.
> > When I install the box cover the voltage gain drops by 7%, so I think the
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> > plate is being loaded by the cover.
> > The input capacitor plates can be seen here;
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> > The plates are 1 cm x 1 cm spaced 5 mm apart.
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> > I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> > distance from the top cover, (and the bottom.)
> > Or a real gimmick cap where I twist a couple of 39 Gauge wires together
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> > attach opposite ends to input and output.
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> > PS, I was having trouble getting some close-up pictures, I grabbed a
> > magnifying glass and took some
> > pictures through that, works good.
>
> ....
>
> >The old-tyme gimmick was two wires, twisted together. That would
> >contain the field better than your open plates.

> >Another alternative: you could surround your cap with a shield and
> >drive the shield from the FET source, bootstrapping it.
r
>
>   Hi James,
>   The twisted pair may be the easiest, but as a thought, if I took a piece
> of coax and
> removed the center conductor leaving just the shield, then inserted a
> twisted pair as my capacitor.

That's too tight a box, and the dielectric screws things up--you'll be
making shunt caps to the shield.

> I then connect the shield the FET source, Ok, I have never bootstrapped
> before, but wouldn't I
> then have a higher potential than desired, even a possibility of
> oscillation?

Higher potential? No. Possibility of oscillation? Yes, but not
likely. Keep the shield well clear of the gimmick to minimize that.

Just the twisted gimmick itself is probably all you'll need. The
bootstrapping is lagniappe.

>   Mikek
> PS. Do I have any concern about inductive coupling with a twisted pair?

Nope.

--
Cheers,
James Arthur

99. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 17:39:39 UTC
From: John Larkin <jjlarkin@highNOTlandTHIStechnologyPART.com>
Message-ID: <noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com>
Source record: 1159
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <amdx@knology.net> wrote:

>Hi all,
> I finished the amp that had the 5 Ghz transistor, I changed it to a slower
>one.
> The objective of this amp is to cause minimal loading of the circuit it is
>measuring.
>When I install the box cover the voltage gain drops by 7%, so I think the
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>plate is being loaded by the cover.
>The input capacitor plates can be seen here;
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>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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>The plates are 1 cm x 1 cm spaced 5 mm apart.
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>I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
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>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
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>This is the original circuit page with schematic;
>http://www.crystal-radio.eu/enfetamp.htm
> Thanks, Mike
>
>PS, I was having trouble getting some close-up pictures, I grabbed a
>magnifying glass and took some
>pictures through that, works good.
>

Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
cm square plates are too big and have their own capacitance to the
world.

Bootstrap the drain of Q1.

"T" means transformer, which shows that this circuit was done by an
amateur. All that tricky stuff could be replaced by one opamp.

It could have close to zero Cin with a little positive feedback.

John

100. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 18:13:12 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <fe489f0d-5b50-4959-9600-83ef5a42278a@e21g2000yqe.googlegroups.com>
Source record: 1160
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 12:39 pm, John Larkin
<jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
> >Hi all,
> > I finished the amp that had the 5 Ghz transistor, I changed it to a slower
> >one.
> > The objective of this amp is to cause minimal loading of the circuit it is
> >measuring.
> >When I install the box cover the voltage gain drops by 7%, so I think the
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> >plate is being loaded by the cover.
> >The input capacitor plates can be seen here;
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> >http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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> >The plates are 1 cm x 1 cm spaced 5 mm apart.
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> >I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
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> > Or a real gimmick cap where I twist a couple of 39 Gauge wires together and
> >attach opposite ends to input and output.
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> > Here's the amp in box.
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> >This is the original circuit page with schematic;
> >http://www.crystal-radio.eu/enfetamp.htm
> >   Thanks, Mike
>
> >PS, I was having trouble getting some close-up pictures, I grabbed a
> >magnifying glass and took some
> >pictures through that, works good.
>
> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> cm square plates are too big and have their own capacitance to the
> world.

For that matter the tiny input cap in Mike's circuit is
counterproductive--it divides the signal down and makes the gain
unpredictable.

Better: use 10pF coupling, lose less at the input, and use less gain
later. Bootstrap the FET so the input sees very low C. Do those and
you don't even need a gimmick.

> Bootstrap the drain of Q1.
>
> "T" means transformer, which shows that this circuit was done by an
> amateur. All that tricky stuff could be replaced by one opamp.
>
> It could have close to zero Cin with a little positive feedback.
>
> John

I like the one at the top of pg. 2:
http://www.national.com/an/AN/AN-32.pdf

1970--a classic.

--
Cheers,
James Arthur

101. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 18:35:02 UTC
From: John - KD5YI <sophi.2@invalid.org>
Message-ID: <ijrmsm$ea3$1@news.eternal-september.org>
Source record: 1161
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On 2/20/2011 12:13 PM, dagmargoodboat@yahoo.com wrote:
> On Feb 20, 12:39 pm, John Larkin
> <jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
>> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx"<a...@knology.net> wrote:
>>> Hi all,
>>> I finished the amp that had the 5 Ghz transistor, I changed it to a slower
>>> one.
>>> The objective of this amp is to cause minimal loading of the circuit it is
>>> measuring.
>>> When I install the box cover the voltage gain drops by 7%, so I think the
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>>> plate is being loaded by the cover.
>>> The input capacitor plates can be seen here;
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>>> http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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>>> The plates are 1 cm x 1 cm spaced 5 mm apart.
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>>> PS, I was having trouble getting some close-up pictures, I grabbed a
>>> magnifying glass and took some
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>> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
>> cm square plates are too big and have their own capacitance to the
>> world.
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> For that matter the tiny input cap in Mike's circuit is
> counterproductive--it divides the signal down and makes the gain
> unpredictable.

>
> Better: use 10pF coupling, lose less at the input, and use less gain
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>> "T" means transformer, which shows that this circuit was done by an
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>> John
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> I like the one at the top of pg. 2:
> http://www.national.com/an/AN/AN-32.pdf
>
> 1970--a classic.
>
>
> --
> Cheers,
> James Arthur

Warning!

The 2N3644 is a PNP. The app note probably meant some other type number
similar to that in an NPN.

Cheers,
John

102. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 18:48:49 UTC
From: FigureItOut <LocusPocus@magicregion.org>
Message-ID: <9fo2m6hrjti4ldr0enenoh2hujl28ecvuq@4ax.com>
Source record: 1162
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <amdx@knology.net> wrote:

>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
>The plates are 1 cm x 1 cm spaced 5 mm apart.

Ever consider simply using a proper air core variable cap?

103. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 19:16:34 UTC
From: John Larkin <jjlarkin@highNOTlandTHIStechnologyPART.com>
Message-ID: <c3q2m65vc908hicfqs1ua14q5q213qv61p@4ax.com>
Source record: 1163
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Sun, 20 Feb 2011 10:13:12 -0800 (PST), dagmargoodboat@yahoo.com
wrote:

>On Feb 20, 12:39ï¿½pm, John Larkin
><jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
>> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
>> >Hi all,
>> > I finished the amp that had the 5 Ghz transistor, I changed it to a slower
>> >one.
>> > The objective of this amp is to cause minimal loading of the circuit it is
>> >measuring.
>> >When I install the box cover the voltage gain drops by 7%, so I think the
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>> >plate is being loaded by the cover.
>> >The input capacitor plates can be seen here;
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>> >http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>>
>> >The plates are 1 cm x 1 cm spaced 5 mm apart.
>>
>> >I have thoughts about ï¿½rectangular plates 0.25 cm x 4 cm to get more
>> >distance from the top cover, (and the bottom.)
>> > Or a real gimmick cap where I twist a couple of 39 Gauge wires together and
>> >attach opposite ends to input and output.
>>
>> > ï¿½Any ideas to minimize input capacitance to the box?
>>
>> > Here's the amp in box.
>> >http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>>
>> >This is the original circuit page with schematic;
>> >http://www.crystal-radio.eu/enfetamp.htm

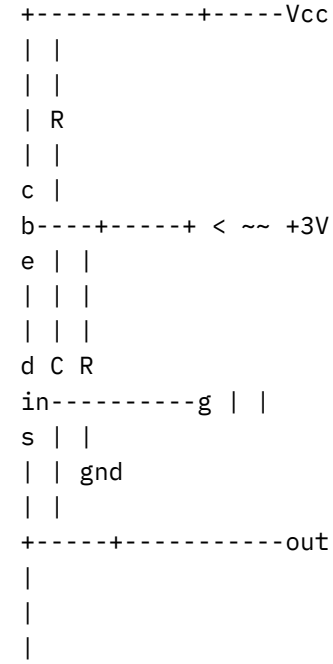
One gotcha: with +12 on the drain of the jfet, expect a lot of gate
current. Hot carriers or some such.

>> > ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ ï¿½ Thanks, Mike
>>
>> >PS, I was having trouble getting some close-up pictures, I grabbed a
>> >magnifying glass and took some
>> >pictures through that, works good.
>>
>> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
>> cm square plates are too big and have their own capacitance to the

>> world.
>
>For that matter the tiny input cap in Mike's circuit is
>counterproductive--it divides the signal down and makes the gain
>unpredictable.
>
>Better: use 10pF coupling, lose less at the input, and use less gain
>later. Bootstrap the FET so the input sees very low C. Do those and
>you don't even need a gimmick.
>
>
>> Bootstrap the drain of Q1.
>>
>> "T" means transformer, which shows that this circuit was done by an
>> amateur. All that tricky stuff could be replaced by one opamp.
>>
>> It could have close to zero Cin with a little positive feedback.
>>
>> John
>
>I like the one at the top of pg. 2:
>http://www.national.com/an/AN/AN-32.pdf
>
>1970--a classic.

If the jfet drives a non-inverting opamp with gain, one could
over-bootstrap the drain to hit zero or even negative input
capacitance; tweak that with a pot or a small variable cap. Then, as
you say, dump the 0.3 pF input cap and have predictable gain.

Phil Hobbs likes this:



```
R < or current sink
|
|
|
Vee
```

John

104. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 19:44:37 UTC
From: amdx <amdx@knology.net>
Message-ID: <4bc8b$4d616f82$d8baf3b7$484@KNOLOGY.NET>
Source record: 1164
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

"John Larkin" <jjlarkin@highNOTlandTHIStechnologyPART.com> wrote in message
news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <amdx@knology.net> wrote:
>
>>Hi all,
>> I finished the amp that had the 5 Ghz transistor, I changed it to a
>> slower
>>one.
>> The objective of this amp is to cause minimal loading of the circuit it
>> is
>>measuring.
>>When I install the box cover the voltage gain drops by 7%, so I think the
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>>plate is being loaded by the cover.
>>The input capacitor plates can be seen here;
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>>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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>>The plates are 1 cm x 1 cm spaced 5 mm apart.
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>> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
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>>PS, I was having trouble getting some close-up pictures, I grabbed a
>>magnifying glass and took some
>>pictures through that, works good.
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>
> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> cm square plates are too big and have their own capacitance to the
> world.

>
> Bootstrap the drain of Q1.
>
> "T" means transformer, which shows that this circuit was done by an
> amateur. All that tricky stuff could be replaced by one opamp.
>
> It could have close to zero Cin with a little positive feedback.
>
> John
>

> Bootstrap the drain of Q1.
You need to walk me through that, (I'm an amateur)

Ah, he's done some nice work on the subject of crystal radios and high Q
inductors.
http://www.crystal-radio.eu/index.html
Page down to experiment with LC circuits.

> It could have close to zero Cin with a little positive feedback.

How much closer? If the input cap is 0.3pf what do you the input impedance
is?
Input is 0.3pf, 20 Meg to ground driving FET gate.
Thanks, Mikek

105. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 20:17:38 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <12a16734-b4e5-471d-ae42-7eb3311efbe3@w36g2000vbi.googlegroups.com>
Source record: 1165
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 1:35 pm, John - KD5YI <soph...@invalid.org> wrote:
> On 2/20/2011 12:13 PM, dagmargoodb...@yahoo.com wrote:
>
>
>
> > On Feb 20, 12:39 pm, John Larkin
> > <jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
> >> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx"<a...@knology.net> wrote:
> >>> Hi all,
> >>> I finished the amp that had the 5 Ghz transistor, I changed it to a slower
> >>> one.
> >>> The objective of this amp is to cause minimal loading of the circuit it is
> >>> measuring.
> >>> When I install the box cover the voltage gain drops by 7%, so I think the
> >>> input capacitor
> >>> plate is being loaded by the cover.
> >>> The input capacitor plates can be seen here;
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> >>>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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> >>> The plates are 1 cm x 1 cm spaced 5 mm apart.
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> >>> I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> >>> distance from the top cover, (and the bottom.)
> >>> Or a real gimmick cap where I twist a couple of 39 Gauge wires together and
> >>> attach opposite ends to input and output.
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> >>>   Any ideas to minimize input capacitance to the box?
>
> >>> Here's the amp in box.
> >>>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> >>> This is the original circuit page with schematic;
> >>>http://www.crystal-radio.eu/enfetamp.htm
> >>>   Thanks, Mike
>
> >>> PS, I was having trouble getting some close-up pictures, I grabbed a
> >>> magnifying glass and took some
> >>> pictures through that, works good.
>
> >> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> >> cm square plates are too big and have their own capacitance to the
> >> world.

>
> > For that matter the tiny input cap in Mike's circuit is
> > counterproductive--it divides the signal down and makes the gain
> > unpredictable.
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> > Better: use 10pF coupling, lose less at the input, and use less gain
> > later. Bootstrap the FET so the input sees very low C. Do those and
> > you don't even need a gimmick.
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> >> Bootstrap the drain of Q1.
>
> >> "T" means transformer, which shows that this circuit was done by an
> >> amateur. All that tricky stuff could be replaced by one opamp.
>
> >> It could have close to zero Cin with a little positive feedback.
>
> >> John
>
> > I like the one at the top of pg. 2:
> >http://www.national.com/an/AN/AN-32.pdf
>
> > 1970--a classic.
>
> > --
> > Cheers,
> > James Arthur
>
> Warning!
>
> The 2N3644 is a PNP. The app note probably meant some other type number
> similar to that in an NPN.

Good catch. The follower can be most anything, but not PNP!

--
Cheers,
James Arthur

106. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 20:26:42 UTC
From: amdx <amdx@knology.net>
Message-ID: <be7d$4d61790b$d8baf3b7$3554@KNOLOGY.NET>
Source record: 1166
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

"FigureItOut" <LocusPocus@magicregion.org> wrote in message
news:9fo2m6hrjti4ldr0enenoh2hujl28ecvuq@4ax.com...
> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <amdx@knology.net> wrote:
>
>>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>>
>>The plates are 1 cm x 1 cm spaced 5 mm apart.
>
>
> Ever consider simply using a proper air core variable cap?

You have any 0.3pf air variables.
Why is this one improper?
Mikek

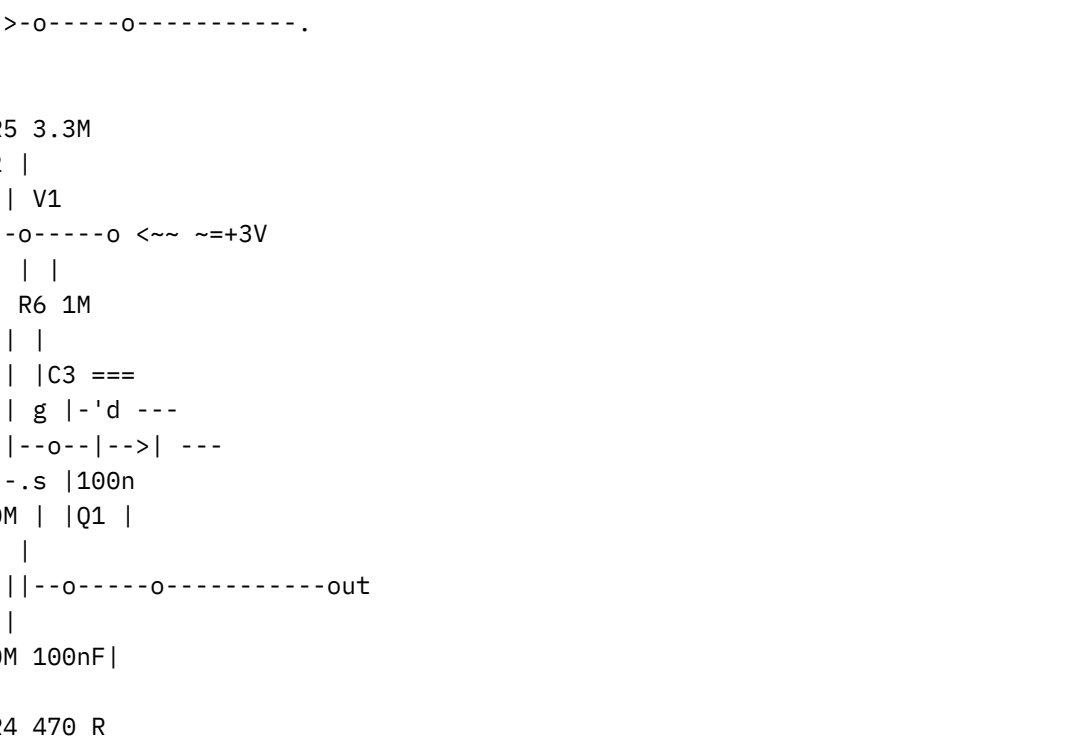
107. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 20:30:07 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <b93f1872-c7a3-4f93-8873-91d591e9e658@t13g2000vbo.googlegroups.com>
Source record: 1167
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 2:44 pm, "amdx" <a...@knology.net> wrote:
> "John Larkin" <jjlar...@highNOTlandTHIStechnologyPART.com> wrote in message
>
> news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
>
>
>
> > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
>
> >>Hi all,
> >> I finished the amp that had the 5 Ghz transistor, I changed it to a
> >> slower
> >>one.
> >> The objective of this amp is to cause minimal loading of the circuit it
> >> is
> >>measuring.
> >>When I install the box cover the voltage gain drops by 7%, so I think the
> >>input capacitor
> >>plate is being loaded by the cover.
> >>The input capacitor plates can be seen here;
>
> >>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> >>The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> >>I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> >>distance from the top cover, (and the bottom.)
> >> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
> >> and
> >>attach opposite ends to input and output.
>
> >> Any ideas to minimize input capacitance to the box?
>
> >> Here's the amp in box.
> >>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> >>This is the original circuit page with schematic;
> >>http://www.crystal-radio.eu/enfetamp.htm
> >>   Thanks, Mike
>
> >>PS, I was having trouble getting some close-up pictures, I grabbed a
> >>magnifying glass and took some
> >>pictures through that, works good.

>
> > Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> > cm square plates are too big and have their own capacitance to the
> > world.
>
> > Bootstrap the drain of Q1.
>
> > "T" means transformer, which shows that this circuit was done by an
> > amateur. All that tricky stuff could be replaced by one opamp.
>
> > It could have close to zero Cin with a little positive feedback.
>
> > John
>
>   > Bootstrap the drain of Q1.
> You need to walk me through that, (I'm an amateur)
>
> Ah, he's done some nice work on the subject of crystal radios and high Q
> inductors.http://www.crystal-radio.eu/index.html
> Page down to experiment with LC circuits.
>
> > It could have close to zero Cin with a little positive feedback.
>
> How much closer? If the input cap is 0.3pf what do you the input impedance
> is?
> Input is 0.3pf, 20 Meg to ground driving FET gate.
>   Thanks, Mikek

We're talking about something roughly like this:



|
|
===

C2 drives the center of the input bias resistor, which cancels the loading caused by R1-R2. This is called "bootstrapping".

Q2 does the same thing for the drain terminal--it causes the drain terminal to go up and down with the input signal. That saves the input signal from having to charge Q1's gate-to-drain capacitance, effectively making that capacitance disappear.

This front-end has *much* higher impedance than the original, and a predictable gain that's close to 1.

R3 is to bias the FET output to (V1)/2, for maximum dynamic range. Higher V1 would give bigger dynamic range.

A cheapskate could put a resistor in Q2's collector and use it as a voltage-gain stage too.

--
Cheers,
James Arthur

108. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 20:49:49 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <7f6a1b6e-74a1-4ecd-b426-8c12cecc4862@p12g2000vbo.googlegroups.com>
Source record: 1168
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

```
On Feb 20, 3:30 pm, dagmargoodb...@yahoo.com wrote:
> On Feb 20, 2:44 pm, "amdx" <a...@knology.net> wrote:
>
>
>
> > "John Larkin" <jjlar...@highNOTlandTHIStechnologyPART.com> wrote in message
>
> >news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
>
> > > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
>
> > >>Hi all,
> > >> I finished the amp that had the 5 Ghz transistor, I changed it to a
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> > >>one.
> > >> The objective of this amp is to cause minimal loading of the circuit it
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> > >>When I install the box cover the voltage gain drops by 7%, so I think the
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> > >>The input capacitor plates can be seen here;
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>
> > >>The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> > >>I have thoughts about  rectangular plates 0.25 cm x 4 cm to get more
> > >>distance from the top cover, (and the bottom.)
> > >> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
> > >> and
> > >>attach opposite ends to input and output.
>
> > >>  Any ideas to minimize input capacitance to the box?
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> > >> Here's the amp in box.
> > >>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
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> > >>This is the original circuit page with schematic;
> > >>http://www.crystal-radio.eu/enfetamp.htm
> > >>               Thanks, Mike
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> > >>PS, I was having trouble getting some close-up pictures, I grabbed a
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> > >>magnifying glass and took some
> > >>pictures through that, works good.
>
> > > Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> > > cm square plates are too big and have their own capacitance to the
> > > world.
>
> > > Bootstrap the drain of Q1.
>
> > > "T" means transformer, which shows that this circuit was done by an
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>
> > > It could have close to zero Cin with a little positive feedback.
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> > > John
>
> >   > Bootstrap the drain of Q1.
> > You need to walk me through that, (I'm an amateur)
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> > Ah, he's done some nice work on the subject of crystal radios and high Q
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> > > It could have close to zero Cin with a little positive feedback.
>
> > How much closer? If the input cap is 0.3pf what do you the input impedance
> > is?
> > Input is 0.3pf, 20 Meg to ground driving FET gate.
> >   Thanks, Mikek
>
> We're talking about something roughly like this:
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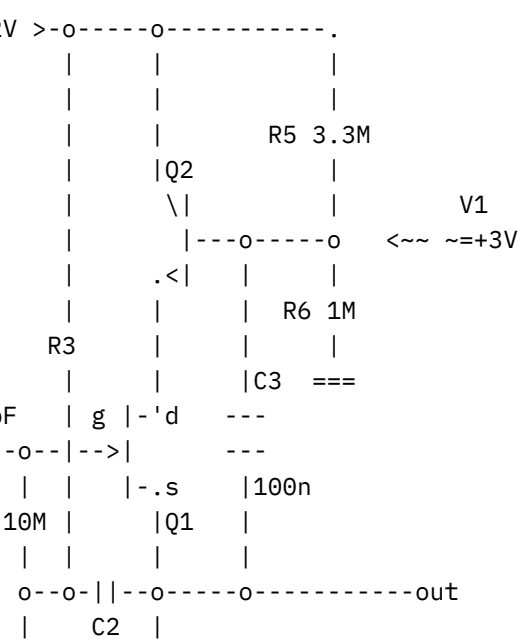

>   R2 10M 100nF|
> | |
>   ===   R4 470 R
> |
> |
>   ===
>
> C2 drives the center of the input bias resistor, which cancels the
> loading caused by R1-R2. This is called "bootstrapping".
>
> Q2 does the same thing for the drain terminal--it causes the drain
> terminal to go up and down with the input signal. That saves the
> input signal from having to charge Q1's gate-to-drain capacitance,
> effectively making that capacitance disappear.
>
> This front-end has *much* higher impedance than the original, and a
> predictable gain that's close to 1.
>
> R3 is to bias the FET output to (V1)/2, for maximum dynamic range.
> Higher V1 would give bigger dynamic range.
>
> A cheapskate could put a resistor in Q2's collector and use it as a
> voltage-gain stage too.

Oh, I didn't calculate the biasing, so R4's probably wrong.

--James

109. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 20:56:07 UTC
From: amdx <amdx@knology.net>
Message-ID: <b72e1$4d617fef$d8baf3b7$5696@KNOLOGY.NET>
Source record: 1169
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

<dagmargoodboat@yahoo.com> wrote in message
news:fe489f0d-5b50-4959-9600-83ef5a42278a@e21g2000yqe.googlegroups.com...
On Feb 20, 12:39 pm, John Larkin
<jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
> >Hi all,
> > > I finished the amp that had the 5 Ghz transistor, I changed it to a
> > > slower
> > >one.
> > > The objective of this amp is to cause minimal loading of the circuit it
> > > is
> > >measuring.
> > >When I install the box cover the voltage gain drops by 7%, so I think the
> > >input capacitor
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> > >The input capacitor plates can be seen here;
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> > >The plates are 1 cm x 1 cm spaced 5 mm apart.
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> > >I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> > >distance from the top cover, (and the bottom.)
> > > Or a real gimmick cap where I twist a couple of 39 Gauge wires together
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> > > Any ideas to minimize input capacitance to the box?
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> > > Here's the amp in box.
> > >http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
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> > >This is the original circuit page with schematic;
> > >http://www.crystal-radio.eu/enfetamp.htm
> > > Thanks, Mike
> >
> > >PS, I was having trouble getting some close-up pictures, I grabbed a
> > >magnifying glass and took some
> > >pictures through that, works good.
> >
> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> cm square plates are too big and have their own capacitance to the
> world.

.....
>For that matter the tiny input cap in Mike's circuit is
>counterproductive--it divides the signal down and makes the gain
>unpredictable.

It's not so inpredictable, I set the amplifier gain at 17 and then
adjusted
the capacitor spacing for a total amplifier gain of 1.
I'm not being argumentive, just trying understand.

>Better: use 10pF coupling, lose less at the input, and use less gain
>later. Bootstrap the FET so the input sees very low C. Do those and
>you don't even need a gimmick.

I need to know more about bootstraping.
Also doesn't the 0.3pf cap reduce the loading effect of the 20 Meg resistor?
Thanks, Mikek

110. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 21:01:46 UTC
From: Baron <baron@linuxmaniac.net>
Message-ID: <ijrvbr$f5u$1@news.eternal-september.org>
Source record: 1170
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

amdx Inscribed thus:

> Hi all,
> I finished the amp that had the 5 Ghz transistor, I changed it to a
> slower
> one.
> The objective of this amp is to cause minimal loading of the circuit
> it is
> measuring.
> When I install the box cover the voltage gain drops by 7%, so I think
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> plate is being loaded by the cover.
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> distance from the top cover, (and the bottom.)
> Or a real gimmick cap where I twist a couple of 39 Gauge wires
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> Here's the amp in box.
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> This is the original circuit page with schematic;
> http://www.crystal-radio.eu/enfetamp.htm
> Thanks, Mike
>
> PS, I was having trouble getting some close-up pictures, I grabbed a
> magnifying glass and took some
> pictures through that, works good.

Change to a co-axial cap.

--
Best Regards:
Baron.

111. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 21:40:47 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <59dff1da-a984-4bf9-95cd-ad5bc6d591ff@d16g2000yqd.googlegroups.com>
Source record: 1171
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 3:56 pm, "amdx" <a...@knology.net> wrote:
> <dagmargoodb...@yahoo.com> wrote in message
>
> news:fe489f0d-5b50-4959-9600-83ef5a42278a@e21g2000yqe.googlegroups.com...
> On Feb 20, 12:39 pm, John Larkin
>
> <jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
> > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
> > >Hi all,
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> > > Thanks, Mike
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> > >PS, I was having trouble getting some close-up pictures, I grabbed a
> > >magnifying glass and took some
> > >pictures through that, works good.
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> > Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> > cm square plates are too big and have their own capacitance to the
> > world.
>
> ....
>
> >For that matter the tiny input cap in Mike's circuit is
> >counterproductive--it divides the signal down and makes the gain
> >unpredictable.
>
> It's not so inpredictable, I set the amplifier gain at 17 and then
> adjusted
> the capacitor spacing for a total amplifier gain of 1.
> I'm not being argumentive, just trying understand.

The input gain of the original circuit depends on the voltage divider
comprising your gimmick cap, on the one hand, and the FET's
capacitance on the other.

No two FETs will have the same capacitance, so you can't know in
advance exactly what the circuit's gain will be. That's why you have
to tweak it via the input capacitor right now.

> >Better: use 10pF coupling, lose less at the input, and use less gain
> >later. Bootstrap the FET so the input sees very low C. Do those and
> >you don't even need a gimmick.
>
> I need to know more about bootstraping.
> Also doesn't the 0.3pf cap reduce the loading effect of the 20 Meg resistor?
>   Thanks, Mikek

Not really. At 1MHz, 0.3pf has a reactance of 530K, so it just adds
530K in series with 20M. It also attenuates your signal by a factor
of 17, if the writeup is accurate.

The author says the amp's input capacitance is 1.4pF. That means
either there's a lot of stray capacitance, or the input coupling cap
is actually a lot larger than 0.3pF.

--James

112. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 22:28:21 UTC
From: amdx <amdx@knology.net>
Message-ID: <11738$4d61958a$d8baf3b7$11893@KNOLOGY.NET>
Source record: 1172
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

<dagmargoodboat@yahoo.com> wrote in message
news:59dff1da-a984-4bf9-95cd-ad5bc6d591ff@d16g2000yqd.googlegroups.com...
On Feb 20, 3:56 pm, "amdx" <a...@knology.net> wrote:
> <dagmargoodb...@yahoo.com> wrote in message
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> news:fe489f0d-5b50-4959-9600-83ef5a42278a@e21g2000yqe.googlegroups.com...
> On Feb 20, 12:39 pm, John Larkin
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> <jjlar...@highNOTlandTHIStechnologyPART.com> wrote:
> > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
> > >Hi all,
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> > >The plates are 1 cm x 1 cm spaced 5 mm apart.
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> > >I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
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> > > Or a real gimmick cap where I twist a couple of 39 Gauge wires
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>comprising your gimmick cap, on the one hand, and the FET's
>capacitance on the other.

>No two FETs will have the same capacitance, so you can't know in
>advance exactly what the circuit's gain will be. That's why you have
>to tweak it via the input capacitor right now.

Hmm. I might have got a hot FET as my cap is spaced 5 mm vs his 3mm.
I calculated 0.177pf for my cap.
Had adjusted the circuit voltage gain after the FET circuit for 17. Then
adjusted the cap for a total gain of 1.

> >Better: use 10pF coupling, lose less at the input, and use less gain
> >later. Bootstrap the FET so the input sees very low C. Do those and
> >you don't even need a gimmick.
>
> I need to know more about bootstraping.
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> resistor?
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>Not really. At 1MHz, 0.3pf has a reactance of 530K, so it just adds
>530K in series with 20M. It also attenuates your signal by a factor
>of 17, if the writeup is accurate.

Oh, I had assumed a much higher impedance for that small cap.
Best not to assume :-)

The author says the amp's input capacitance is 1.4pF. That means
>either there's a lot of stray capacitance, or the input coupling cap
>is actually a lot larger than 0.3pF.

I'll be trying the twisted pair to reduce that stray capacitance.
Mikek

113. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-20 23:19:02 UTC
From: John Larkin <jjlarkin@highNOTlandTHIStechnologyPART.com>
Message-ID: <5q73m6hmsueub39hpivhuvppuiuc7e1vpq@4ax.com>
Source record: 1173
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

```
On Sun, 20 Feb 2011 13:44:37 -0600, "amdx" <amdx@knology.net> wrote:

>
>"John Larkin" <jjlarkin@highNOTlandTHIStechnologyPART.com> wrote in message
>news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
>> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <amdx@knology.net> wrote:
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>>> I finished the amp that had the 5 Ghz transistor, I changed it to a
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>>>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
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>>>The plates are 1 cm x 1 cm spaced 5 mm apart.
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>>>I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
>>>distance from the top cover, (and the bottom.)
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>>> Any ideas to minimize input capacitance to the box?
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>>> Here's the amp in box.
>>>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
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>>>This is the original circuit page with schematic;
>>>http://www.crystal-radio.eu/enfetamp.htm
>>> Thanks, Mike
>>>
>>>PS, I was having trouble getting some close-up pictures, I grabbed a
>>>magnifying glass and took some
>>>pictures through that, works good.
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>>
```

>> Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
>> cm square plates are too big and have their own capacitance to the
>> world.
>>
>> Bootstrap the drain of Q1.
>>
>> "T" means transformer, which shows that this circuit was done by an
>> amateur. All that tricky stuff could be replaced by one opamp.
>>
>> It could have close to zero Cin with a little positive feedback.
>>
>> John
>>
>
> > Bootstrap the drain of Q1.
>You need to walk me through that, (I'm an amateur)

If the source of the fet follower drives an opamp with a gain of, say, +2, you could take the amp's output, run it through a pot, and AC couple that into the drain.

With the pot at zero gain, there's no bootstrapping, so the fet's Cg-d loads the input 100%.

With the pot at mid-rotation, the drain is forced to swing up and down just about as much as the input signal does. Since both ends of Cg-d are at the same signal level, there's almost no current in that capacitance, so it sort of disappears, as far as the gate is concerned.

Turn the pot a little more, and a small excursion at the gate results in a *bigger* excursion at the drain. So the current in Cg-d flows in the opposite direction from a real capacitor, and Cg-d becomes a negative capacitor. It can then be used to cancel all other capacitance at the gate node, making the box have a net nearly-zero input capacitance.

Or just add a small variable cap from the opamp output back into the gate, and adjust for near zero input capacitance. When it oscillates, you've gone too far.

John

114. TOP SEXY VIDEOS ALL TYPE OF HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 02:00:03 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <ada67f00-c93e-4228-bc9c-c8aff3b12ffd@s28g2000prb.googlegroups.com>
Source record: 1174

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

115. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 05:31:42 UTC
From: RST Engineering <jweir43@gmail.com>
Message-ID: <n4u3m69vv2lq3bubepqd22tc7k9uk3auus@4ax.com>
Source record: 1175
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Sun, 20 Feb 2011 07:52:18 -0800 (PST), dagmargoodboat@yahoo.com
wrote:

>The old-tyme gimmick was two wires, twisted together. That would
>contain the field better than your open plates.
>
>Another alternative: you could surround your cap with a shield and
>drive the shield from the FET source, bootstrapping it.

Does the term SNIP have any meaning to you?

Jim

116. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 05:53:11 UTC
From: John Larkin <jjlarkin@highNOTlandTHIStechnologyPART.com>
Message-ID: <idv3m69tc5gqoj96krfno78o80jvuvr0kc@4ax.com>
Source record: 1176
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Sun, 20 Feb 2011 21:31:42 -0800, RST Engineering
<jweir43@gmail.com> wrote:

>On Sun, 20 Feb 2011 07:52:18 -0800 (PST), dagmargoodboat@yahoo.com
>wrote:
>
>
>>The old-tyme gimmick was two wires, twisted together. That would
>>contain the field better than your open plates.
>>
>>Another alternative: you could surround your cap with a shield and
>>drive the shield from the FET source, bootstrapping it.
>
>Does the term SNIP have any meaning to you?
>
>Jim

Save up and buy yourself some scroll bars.

John

117. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 06:17:53 UTC
From: Robert Baer <robertbaer@localnet.com>
Message-ID: <ub6dnfVHgKg9nv_QnZ2dnUVZ_sGdnZ2d@posted.localnet>
Source record: 1177
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

amdx wrote:
> Hi all,
> I finished the amp that had the 5 Ghz transistor, I changed it to a slower
> one.
> The objective of this amp is to cause minimal loading of the circuit it is
> measuring.
> When I install the box cover the voltage gain drops by 7%, so I think the
> input capacitor
> plate is being loaded by the cover.
> The input capacitor plates can be seen here;
>
> http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> distance from the top cover, (and the bottom.)
> Or a real gimmick cap where I twist a couple of 39 Gauge wires together and
> attach opposite ends to input and output.
>
> Any ideas to minimize input capacitance to the box?
>
> Here's the amp in box.
> http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> This is the original circuit page with schematic;
> http://www.crystal-radio.eu/enfetamp.htm
> Thanks, Mike
>
> PS, I was having trouble getting some close-up pictures, I grabbed a
> magnifying glass and took some
> pictures through that, works good.
>
>
Response before looking at others:
1. use one 10Meg and connect it to source OR cap bootstrap the 10meg
input divider to the source.
2. "wrap" a shield around the input wire & plate and drive the shield
from the FET source or T2 emitter.
3 What the heck is that HUGE block attached to the input plate?
Ditech it; you will see a significant decrease in input capacitance.

118. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 15:17:14 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <eee74377-a940-48f0-82c3-00adc217e85d@d16g2000yqd.googlegroups.com>
Source record: 1178
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 21, 12:31 am, RST Engineering <jwei...@gmail.com> wrote:
> On Sun, 20 Feb 2011 07:52:18 -0800 (PST), dagmargoodb...@yahoo.com
> wrote:
>
> >The old-tyme gimmick was two wires, twisted together. That would
> >contain the field better than your open plates.
>
> >Another alternative: you could surround your cap with a shield and
> >drive the shield from the FET source, bootstrapping it.
>
> Does the term SNIP have any meaning to you?
>
> Jim

I quoted the original post. Did you think the original was
irrelevant? I don't agree.

I try to quote enough so that a newcomer can, in one post, understand
both the full question I'm responding to, and my reply.

--
Cheers,
James Arthur

119. HOT BABES

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 16:11:48 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <415ff298-f416-4e82-922b-975fd55f1ea2@o39g2000prb.googlegroups.com>
Source record: 1179

```ONLY HOT VIDEOS FOR YOUTH````

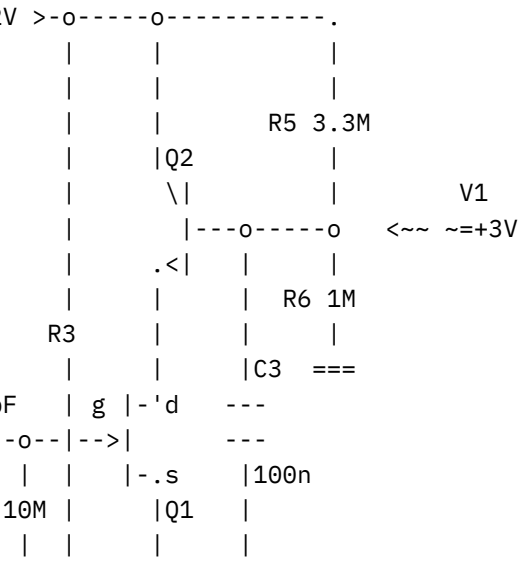
HOT VIDEOS
http://sexy-rainsongs.blogspot.com/
FUNNY VIDEOS
http://sexy-rainsongs.blogspot.com/p/funny-video.html
TELUGU FUNNY VIDEOS
http://sexy-rainsongs.blogspot.com/p/telugu-funny-videos.html

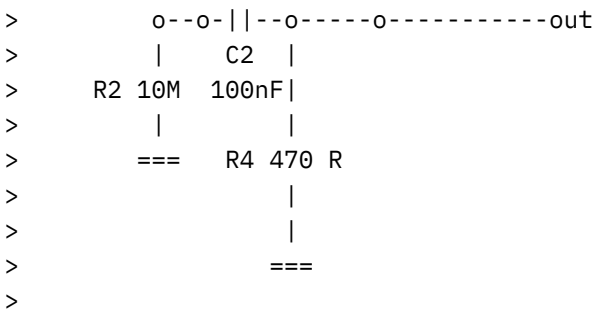
DEEPIKA PADUKONE HOT VIDEOS
http://karomasti9.blogspot.com/2011/01/deepika-padukone.html
HOT ARCHANA STILLS
http://karomasti9.blogspot.com/2011/01/archana.html
DEEKSHA SETH HOT WALLPAPERS
http://karomasti9.blogspot.com/2011/01/deeksha-seth.html
KATRINA KAIF HOT VIDEOS&PHOTOS
http://karomasti9.blogspot.com/2011/01/katrina-kaif.html
```

120. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 16:16:36 UTC
From: George Herold <gherold@teachspin.com>
Message-ID: <7597120a-4888-4ec2-88d7-c92f4fca5d1a@n10g2000yqf.googlegroups.com>
Source record: 1180
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 20, 3:30 pm, dagmargoodb...@yahoo.com wrote:
> On Feb 20, 2:44 pm, "amdx" <a...@knology.net> wrote:
>
>
>
>
>
> > "John Larkin" <jjlar...@highNOTlandTHIStechnologyPART.com> wrote in message
>
> >news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
>
> > > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
>
> > >>Hi all,
> > >> I finished the amp that had the 5 Ghz transistor, I changed it to a
> > >> slower
> > >>one.
> > >> The objective of this amp is to cause minimal loading of the circuit it
> > >> is
> > >>measuring.
> > >>When I install the box cover the voltage gain drops by 7%, so I think the
> > >>input capacitor
> > >>plate is being loaded by the cover.
> > >>The input capacitor plates can be seen here;
>
> > >>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> > >>The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> > >>I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> > >>distance from the top cover, (and the bottom.)
> > >> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
> > >> and
> > >>attach opposite ends to input and output.
>
> > >> Any ideas to minimize input capacitance to the box?
>
> > >> Here's the amp in box.
> > >>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> > >>This is the original circuit page with schematic;
> > >>http://www.crystal-radio.eu/enfetamp.htm
> > >>   Thanks, Mike

>
> > >>PS, I was having trouble getting some close-up pictures, I grabbed a
> > >>magnifying glass and took some
> > >>pictures through that, works good.
>
> > > Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> > > cm square plates are too big and have their own capacitance to the
> > > world.
>
> > > Bootstrap the drain of Q1.
>
> > > "T" means transformer, which shows that this circuit was done by an
> > > amateur. All that tricky stuff could be replaced by one opamp.
>
> > > It could have close to zero Cin with a little positive feedback.
>
> > > John
>
> >   > Bootstrap the drain of Q1.
> > You need to walk me through that, (I'm an amateur)
>
> > Ah, he's done some nice work on the subject of crystal radios and high Q
> > inductors.http://www.crystal-radio.eu/index.html
> > Page down to experiment with LC circuits.
>
> > > It could have close to zero Cin with a little positive feedback.
>
> > How much closer? If the input cap is 0.3pf what do you the input impedance
> > is?
> > Input is 0.3pf, 20 Meg to ground driving FET gate.
> >   Thanks, Mikek
>
> We're talking about something roughly like this:
>




> C2 drives the center of the input bias resistor, which cancels the
> loading caused by R1-R2. This is called "bootstrapping".
>
> Q2 does the same thing for the drain terminal--it causes the drain
> terminal to go up and down with the input signal. That saves the
> input signal from having to charge Q1's gate-to-drain capacitance,
> effectively making that capacitance disappear.
>
> This front-end has *much* higher impedance than the original, and a
> predictable gain that's close to 1.
>
> R3 is to bias the FET output to (V1)/2, for maximum dynamic range.
> Higher V1 would give bigger dynamic range.
>
> A cheapskate could put a resistor in Q2's collector and use it as a
> voltage-gain stage too.
>
> --
> Cheers,
> James Arthur- Hide quoted text -
>
> - Show quoted text -

Thanks for the explanation James. The bootstrapping of the base does
nothing for the input capacitance.(?) Is that correct?

George H.

121. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 16:18:05 UTC
From: amdx <amdx@knology.net>
Message-ID: <2e934$4d629096$45013905$28949@KNOLOGY.NET>
Source record: 1181
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

```
<dagmargoodboat@yahoo.com> wrote in message
news:570afcef-5600-4f89-9cb3-e45db0759566@x11g2000yqc.googlegroups.com...
On Feb 20, 11:14 am, "amdx" <a...@knology.net> wrote:
> <dagmargoodb...@yahoo.com> wrote in message
>
> news:77047df4-a98f-4ccc-b17b-cf8086cec7fa@u12g2000vbf.googlegroups.com...
> On Feb 20, 10:20 am, "amdx" <a...@knology.net> wrote:
>
> > Hi all,
> > I finished the amp that had the 5 Ghz transistor, I changed it to a
> > slower
> > one.
> > The objective of this amp is to cause minimal loading of the circuit it
> > is
> > measuring.
> > When I install the box cover the voltage gain drops by 7%, so I think
> > the
> > input capacitor
> > plate is being loaded by the cover.
> > The input capacitor plates can be seen here;
>
> >http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> > The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> > I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> > distance from the top cover, (and the bottom.)
> > Or a real gimmick cap where I twist a couple of 39 Gauge wires together
> > and
> > attach opposite ends to input and output.
>
> > Any ideas to minimize input capacitance to the box?
>
> > Here's the amp in
> > box.http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> > This is the original circuit page with
> > schematic;http://www.crystal-radio.eu/enfetamp.htm
> > Thanks, Mike
>
> > PS, I was having trouble getting some close-up pictures, I grabbed a
> > magnifying glass and took some
> > pictures through that, works good.
```

>
> ....
>
> >The old-tyme gimmick was two wires, twisted together. That would
> >contain the field better than your open plates.
> >Another alternative: you could surround your cap with a shield and
> >drive the shield from the FET source, bootstrapping it.
r
>
> Hi James,
> The twisted pair may be the easiest, but as a thought, if I took a piece
> of coax and
> removed the center conductor leaving just the shield, then inserted a
> twisted pair as my capacitor.

That's too tight a box, and the dielectric screws things up--you'll be
making shunt caps to the shield.

> I then connect the shield the FET source, Ok, I have never bootstrapped
> before, but wouldn't I
> then have a higher potential than desired, even a possibility of
> oscillation?
....

>Just the twisted gimmick itself is probably all you'll need. The
>bootstrapping is lagniappe.

I tried a twisted pair of #26 wire and got way more capacitance then I
wanted.
I ended up with just about 1/4" layed side by side as about equal to 0.3pf.
When I put the cover on there was much less effect on the signal than with
the previously
used plate capacitor.
The side by side wire is not stable for long term use, so I'll find a way to
stablize it and
call this one a wrap. I'll try tying a low capacitance knot ;-)
I have two more boards and boxes, I'll build a bootstrapped version for the
next design.
I'll be back, I might try one with a gain of 1 and one with a gain of
maybe 10.
Mikek

122. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 16:46:12 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <4bc2c630-f12c-484e-bd70-bfd5f7b10e18@i14g2000yqe.googlegroups.com>
Source record: 1182
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 21, 11:18 am, "amdx" <a...@knology.net> wrote:
> <dagmargoodb...@yahoo.com> wrote:
> On Feb 20, 11:14 am, "amdx" <a...@knology.net> wrote:

> >Just the twisted gimmick itself is probably all you'll need. The
> >bootstrapping is lagniappe.
>
>   I tried a twisted pair of #26 wire and got way more capacitance then I
> wanted.

Just half a twist is likely enough--regular twisted pair is way too
tightly coupled.

[...]

> I have two more boards and boxes, I'll build a bootstrapped version for the
> next design.
>   I'll be back, I might try one with a gain of 1 and one with a gain of
> maybe 10.
>   Mikek

--
Cheers,
James Arthur

123. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 17:03:27 UTC
From: dagmargoodboat@yahoo.com
Message-ID: <b8416e6c-8b7d-4935-9d7d-dbb3fa72c16b@x11g2000yqc.googlegroups.com>
Source record: 1183
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 21, 11:16 am, George Herold <gher...@teachspin.com> wrote:
> On Feb 20, 3:30 pm, dagmargoodb...@yahoo.com wrote:
>
>
>
> > On Feb 20, 2:44 pm, "amdx" <a...@knology.net> wrote:
>
> > > "John Larkin" <jjlar...@highNOTlandTHIStechnologyPART.com> wrote in message
>
> > >news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
>
> > > > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
>
> > > >>Hi all,
> > > >> I finished the amp that had the 5 Ghz transistor, I changed it to a
> > > >> slower
> > > >>one.
> > > >> The objective of this amp is to cause minimal loading of the circuit it
> > > >> is
> > > >>measuring.
> > > >>When I install the box cover the voltage gain drops by 7%, so I think the
> > > >>input capacitor
> > > >>plate is being loaded by the cover.
> > > >>The input capacitor plates can be seen here;
>
> > > >>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> > > >>The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> > > >>I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> > > >>distance from the top cover, (and the bottom.)
> > > >> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
> > > >> and
> > > >>attach opposite ends to input and output.
>
> > > >> Any ideas to minimize input capacitance to the box?
>
> > > >> Here's the amp in box.
> > > >>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>
> > > >>This is the original circuit page with schematic;
> > > >>http://www.crystal-radio.eu/enfetamp.htm
> > > >>   Thanks, Mike

>
> > > >>PS, I was having trouble getting some close-up pictures, I grabbed a
> > > >>magnifying glass and took some
> > > >>pictures through that, works good.
>
> > > > Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> > > > cm square plates are too big and have their own capacitance to the
> > > > world.
>
> > > > Bootstrap the drain of Q1.
>
> > > > "T" means transformer, which shows that this circuit was done by an
> > > > amateur. All that tricky stuff could be replaced by one opamp.
>
> > > > It could have close to zero Cin with a little positive feedback.
>
> > > > John
>
> > >   > Bootstrap the drain of Q1.
> > > You need to walk me through that, (I'm an amateur)
>
> > > Ah, he's done some nice work on the subject of crystal radios and high Q
> > > inductors.http://www.crystal-radio.eu/index.html
> > > Page down to experiment with LC circuits.
>
> > > > It could have close to zero Cin with a little positive feedback.
>
> > > How much closer? If the input cap is 0.3pf what do you the input impedance
> > > is?
> > > Input is 0.3pf, 20 Meg to ground driving FET gate.
> > >   Thanks, Mikek
>
> > We're talking about something roughly like this:
>
> >   +12V >-------+-----------.
> > | |
> > | |
> > | R5 220K
> > |Q2 |
> >   \| | V1
> > |---+-----+   <~~ ~=7V
> >   .<| | |
> > | | R6 330K
> > | | |
> >   C1 | |C3 ===
> >   10pF   g |-'d   ---
> > in--||--+----->| ---
> > | |-.s |100n
> >   R1 10M |Q1 |
> > | | |

```
> >         +----||--+-----+------> out
> >         |    C2  |
> >     R2 10M  100nF|
> >         |        |
> >        ===   R4 2.2K
> >                  |
> >                  |
> >                ===
```

<edited, simplified, R4-6 values corrected>

> > C2 drives the center of the input bias resistor, which cancels the
> > loading caused by R1-R2. This is called "bootstrapping".
>
> > Q2 does the same thing for the drain terminal--it causes the drain
> > terminal to go up and down with the input signal. That saves the
> > input signal from having to charge Q1's gate-to-drain capacitance,
> > effectively making that capacitance disappear.
>
> > This front-end has *much* higher impedance than the original, and a
> > predictable gain that's close to 1.

>
> Thanks for the explanation James. The bootstrapping of the base does
> nothing for the input capacitance.(?) Is that correct?

If you mean "gate" and Q1, that's inherently bootstrapped by the voltage-follower configuration: the source already rises and falls with the input, leaving the Miller capacitance as by far the biggest nasty. The best, easy bootstrap for the FET input capacitance is getting the FET follower gain up closer to unity. That means using a current source for the source load instead of R4.

The input bootstrap above--C2 to the junction of R1-R2--serves to reduce the a) stray capacitive loading posed by R1, and b) raise the a.c. input impedance to much higher than the 20M input resistor in parallel with the FET gate impedance.

--
Cheers,
James Arthur

124. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-21 22:08:20 UTC
From: Baron <baron@linuxmaniac.net>
Message-ID: <ijunkl$7d0$1@news.eternal-september.org>
Source record: 1184
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

```
amdx Inscribed thus:

>
> <dagmargoodboat@yahoo.com> wrote in message
>
news:570afcef-5600-4f89-9cb3-e45db0759566@x11g2000yqc.googlegroups.com...
> On Feb 20, 11:14 am, "amdx" <a...@knology.net> wrote:
>> <dagmargoodb...@yahoo.com> wrote in message
>>
>>
news:77047df4-a98f-4ccc-b17b-cf8086cec7fa@u12g2000vbf.googlegroups.com...
>> On Feb 20, 10:20 am, "amdx" <a...@knology.net> wrote:
>>
>> > Hi all,
>> > I finished the amp that had the 5 Ghz transistor, I changed it to a
>> > slower
>> > one.
>> > The objective of this amp is to cause minimal loading of the
>> > circuit it is
>> > measuring.
>> > When I install the box cover the voltage gain drops by 7%, so I
>> > think the
>> > input capacitor
>> > plate is being loaded by the cover.
>> > The input capacitor plates can be seen here;
>>
>> >http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>>
>> > The plates are 1 cm x 1 cm spaced 5 mm apart.
>>
>> > I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
>> > distance from the top cover, (and the bottom.)
>> > Or a real gimmick cap where I twist a couple of 39 Gauge wires
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>> > attach opposite ends to input and output.
>>
>> > Any ideas to minimize input capacitance to the box?
>>
>> > Here's the amp in
>> >
box.http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>>
>> > This is the original circuit page with
```

>> > schematic;http://www.crystal-radio.eu/enfetamp.htm
>> > Thanks, Mike
>>
>> > PS, I was having trouble getting some close-up pictures, I grabbed
>> > a magnifying glass and took some
>> > pictures through that, works good.
>>
>> ....
>>
>> >The old-tyme gimmick was two wires, twisted together. That would
>> >contain the field better than your open plates.
>> >Another alternative: you could surround your cap with a shield and
>> >drive the shield from the FET source, bootstrapping it.
> r
>>
>> Hi James,
>> The twisted pair may be the easiest, but as a thought, if I took a
>> piece of coax and
>> removed the center conductor leaving just the shield, then inserted a
>> twisted pair as my capacitor.
>
> That's too tight a box, and the dielectric screws things up--you'll be
> making shunt caps to the shield.
>
>> I then connect the shield the FET source, Ok, I have never
>> bootstrapped before, but wouldn't I
>> then have a higher potential than desired, even a possibility of
>> oscillation?
> ....
>
>>Just the twisted gimmick itself is probably all you'll need. The
>>bootstrapping is lagniappe.
>
> I tried a twisted pair of #26 wire and got way more capacitance then
> I
> wanted.
> I ended up with just about 1/4" layed side by side as about equal to
> 0.3pf. When I put the cover on there was much less effect on the
> signal than with the previously
> used plate capacitor.
> The side by side wire is not stable for long term use, so I'll find a
> way to stablize it and
> call this one a wrap. I'll try tying a low capacitance knot ;-)
> I have two more boards and boxes, I'll build a bootstrapped version
> for the next design.
> I'll be back, I might try one with a gain of 1 and one with a gain
> of
> maybe 10.
> Mikek

Try a glass cased diode with one end cut off so the case is empty. Use the wire at one end for one connection, use a piece of thick wire inside the tube for the other connection. Adjust for "C". Secure with a drop of adhesive.

--
Best Regards:
Baron.

125. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-22 00:45:29 UTC
From: Rich Grise <richg@example.net.invalid>
Message-ID: <ijv11k$6t4$5@news.eternal-september.org>
Source record: 1185
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

amdx wrote:

> The side by side wire is not stable for long term use, so I'll find a way
> to stablize it and
> call this one a wrap. I'll try tying a low capacitance knot ;-)

Heat shrink?

Good Luck!
Rich

126. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-22 01:53:15 UTC
From: George Herold <gherold@teachspin.com>
Message-ID: <5ad0d51e-0b40-4f5b-9941-1ae7021f9226@y3g2000vbh.googlegroups.com>
Source record: 1186
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Feb 21, 12:03 pm, dagmargoodb...@yahoo.com wrote:
> On Feb 21, 11:16 am, George Herold <gher...@teachspin.com> wrote:
>
>
>
>
>
> > On Feb 20, 3:30 pm, dagmargoodb...@yahoo.com wrote:
>
> > > On Feb 20, 2:44 pm, "amdx" <a...@knology.net> wrote:
>
> > > > "John Larkin" <jjlar...@highNOTlandTHIStechnologyPART.com> wrote in message
>
> > > >news:noj2m6p3q2kra0rpkp9cm6l0jicce2s8rl@4ax.com...
>
> > > > > On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <a...@knology.net> wrote:
>
> > > > >>Hi all,
> > > > >> I finished the amp that had the 5 Ghz transistor, I changed it to a
> > > > >> slower
> > > > >>one.
> > > > >> The objective of this amp is to cause minimal loading of the circuit it
> > > > >> is
> > > > >>measuring.
> > > > >>When I install the box cover the voltage gain drops by 7%, so I think the
> > > > >>input capacitor
> > > > >>plate is being loaded by the cover.
> > > > >>The input capacitor plates can be seen here;
>
> > > > >>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>
> > > > >>The plates are 1 cm x 1 cm spaced 5 mm apart.
>
> > > > >>I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
> > > > >>distance from the top cover, (and the bottom.)
> > > > >> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
> > > > >> and
> > > > >>attach opposite ends to input and output.
>
> > > > >> Any ideas to minimize input capacitance to the box?
>
> > > > >> Here's the amp in box.
> > > > >>http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg

>
> > > > >>This is the original circuit page with schematic;
> > > > >>http://www.crystal-radio.eu/enfetamp.htm
> > > > >>   Thanks, Mike
>
> > > > >>PS, I was having trouble getting some close-up pictures, I grabbed a
> > > > >>magnifying glass and took some
> > > > >>pictures through that, works good.
>
> > > > > Use a real surface-mount 0.3 pF cap, or a homemade coaxial cap. The 1
> > > > > cm square plates are too big and have their own capacitance to the
> > > > > world.
>
> > > > > Bootstrap the drain of Q1.
>
> > > > > "T" means transformer, which shows that this circuit was done by an
> > > > > amateur. All that tricky stuff could be replaced by one opamp.
>
> > > > > It could have close to zero Cin with a little positive feedback.
>
> > > > > John
>
> > > >   > Bootstrap the drain of Q1.
> > > > You need to walk me through that, (I'm an amateur)
>
> > > > Ah, he's done some nice work on the subject of crystal radios and high Q
> > > > inductors.http://www.crystal-radio.eu/index.html
> > > > Page down to experiment with LC circuits.
>
> > > > > It could have close to zero Cin with a little positive feedback.
>
> > > > How much closer? If the input cap is 0.3pf what do you the input impedance
> > > > is?
> > > > Input is 0.3pf, 20 Meg to ground driving FET gate.
> > > >   Thanks, Mikek
>
> > > We're talking about something roughly like this:
>
> > >   +12V >-------+-----------.
> > > | |
> > > | |
> > > | R5 220K
> > > |Q2 |
> > >   \| | V1
> > > |---+-----+   <~~ ~=7V
> > >   .<| | |
> > > | | R6 330K
> > > | | |
> > >   C1 | |C3 ===
> > >   10pF   g |-'d   ---

```
> > > in--||--+----->|      ---
> > >         |      |-.s    |100n
> > >     R1 10M       |Q1   |
> > >         |        |     |
> > >         +----||--+-----+------> out
> > >         |    C2  |
> > >     R2 10M  100nF|
> > >         |        |
> > >        ===   R4 2.2K
> > >                  |
> > >                  |
> > >                 ===
```

> <edited, simplified, R4-6 values corrected>
>
> > > C2 drives the center of the input bias resistor, which cancels the
> > > loading caused by R1-R2. This is called "bootstrapping".
>
> > > Q2 does the same thing for the drain terminal--it causes the drain
> > > terminal to go up and down with the input signal. That saves the
> > > input signal from having to charge Q1's gate-to-drain capacitance,
> > > effectively making that capacitance disappear.
>
> > > This front-end has *much* higher impedance than the original, and a
> > > predictable gain that's close to 1.
>
> > Thanks for the explanation James. The bootstrapping of the base does
> > nothing for the input capacitance.(?) Is that correct?
>
> If you mean "gate" and Q1, that's inherently bootstrapped by the
> voltage-follower configuration: the source already rises and falls
> with the input, leaving the Miller capacitance as by far the biggest
> nasty. The best, easy bootstrap for the FET input capacitance is
> getting the FET follower gain up closer to unity. That means using a
> current source for the source load instead of R4.

Uh yes... Gate of Q1. (thanks for reading my mind.)

George H.

> The input bootstrap above--C2 to the junction of R1-R2--serves to
> reduce the a) stray capacitive loading posed by R1, and b) raise the
> a.c. input impedance to much higher than the 20M input resistor in
> parallel with the FET gate impedance.
>
> --
> Cheers,
> James Arthur- Hide quoted text -
>
> - Show quoted text -

127. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-22 09:02:36 UTC
From: Robert Baer <robertbaer@localnet.com>
Message-ID: <k66dne9d9pkz5v7QnZ2dnUVZ_h6dnZ2d@posted.localnet>
Source record: 1187
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

amdx wrote:
> <dagmargoodboat@yahoo.com> wrote in message
> news:570afcef-5600-4f89-9cb3-e45db0759566@x11g2000yqc.googlegroups.com...
> On Feb 20, 11:14 am, "amdx" <a...@knology.net> wrote:
>> <dagmargoodb...@yahoo.com> wrote in message
>>
>> news:77047df4-a98f-4ccc-b17b-cf8086cec7fa@u12g2000vbf.googlegroups.com...
>> On Feb 20, 10:20 am, "amdx" <a...@knology.net> wrote:
>>
>>> Hi all,
>>> I finished the amp that had the 5 Ghz transistor, I changed it to a
>>> slower
>>> one.
>>> The objective of this amp is to cause minimal loading of the circuit it
>>> is
>>> measuring.
>>> When I install the box cover the voltage gain drops by 7%, so I think
>>> the
>>> input capacitor
>>> plate is being loaded by the cover.
>>> The input capacitor plates can be seen here;
>>> http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>>> The plates are 1 cm x 1 cm spaced 5 mm apart.
>>> I have thoughts about rectangular plates 0.25 cm x 4 cm to get more
>>> distance from the top cover, (and the bottom.)
>>> Or a real gimmick cap where I twist a couple of 39 Gauge wires together
>>> and
>>> attach opposite ends to input and output.
>>> Any ideas to minimize input capacitance to the box?
>>> Here's the amp in
>>> box.http://i395.photobucket.com/albums/pp37/Qmavam/Kleijerampinbox.jpg
>>> This is the original circuit page with
>>> schematic;http://www.crystal-radio.eu/enfetamp.htm
>>> Thanks, Mike
>>> PS, I was having trouble getting some close-up pictures, I grabbed a
>>> magnifying glass and took some
>>> pictures through that, works good.
>> ....
>>
>>> The old-tyme gimmick was two wires, twisted together. That would
>>> contain the field better than your open plates.
>>> Another alternative: you could surround your cap with a shield and
>>> drive the shield from the FET source, bootstrapping it.

> r
>> Hi James,
>> The twisted pair may be the easiest, but as a thought, if I took a piece
>> of coax and
>> removed the center conductor leaving just the shield, then inserted a
>> twisted pair as my capacitor.
>
> That's too tight a box, and the dielectric screws things up--you'll be
> making shunt caps to the shield.
>
>> I then connect the shield the FET source, Ok, I have never bootstrapped
>> before, but wouldn't I
>> then have a higher potential than desired, even a possibility of
>> oscillation?
> ....
>
>> Just the twisted gimmick itself is probably all you'll need. The
>> bootstrapping is lagniappe.
>
> I tried a twisted pair of #26 wire and got way more capacitance then I
> wanted.
> I ended up with just about 1/4" layed side by side as about equal to 0.3pf.
> When I put the cover on there was much less effect on the signal than with
> the previously
> used plate capacitor.
> The side by side wire is not stable for long term use, so I'll find a way to
> stablize it and
> call this one a wrap. I'll try tying a low capacitance knot ;-)
> I have two more boards and boxes, I'll build a bootstrapped version for the
> next design.
> I'll be back, I might try one with a gain of 1 and one with a gain of
> maybe 10.
> Mikek
>
>
>
>
>
Someone suggested the use of a chip cap for the input; much more
stab;e - and smaller than the plate setup..

128. Wanted HBR receiver

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-23 17:26:35 UTC
From: N0XE <N0XE.7ab49f9@radiobanter.com>
Message-ID: <N0XE.7ab49f9@radiobanter.com>
Source record: 1188

I am looking for a clean well built HBR receiver to add to my homebrew transmitter. Just about any will be considered, just needs to play well and I work mostly 40 and 80 CW. I am good on Qrz.com for email. Thanks, 73 Jim N0XE

--
N0XE

129. Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 00:43:10 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <zQh9p.228282$Ud7.114682@en-nntp-16.dc1.easynews.com>
Source record: 1189

I graduated from college back in the 1994, and even then we were admonished to avoid magnetics whenever possible. Of course, these days I know better, but as a result my academic coverage of IF transformers was non-existant.

I'm now trying to make up for that transgression. :-)

I've done a fair amount of reading and have a good understanding on how IF transformers work, how they should be modeled, how to build them, etc. (Most of the books that address this in detail are from the 1970s or older, it seems...) I still have a few questions, though, that I'm hoping a few of the older reads could help me out on. They are:

1) The really big 450kHz IF transformers you see in tube sets... why did they wind the coils in the form of "pancakes" rather than "the usual way" (single-layer coils)? Is it just a consequence of needing lots of turns (to get enough magnetizing inductance) but, for the coupling coefficient desired, finding that you'd end up with, e.g,. a foot-long tranformer if you only used a single layer?
2) I can readily see why you'd want a center-tapped primary, or a primary with, say, a tap 10% "up" as a small feedback winding, but why do you get such things as an IF transformer with 103 and 50 turns on the primary (on either side of the tap) and then 27 turns on the secondary? (E.g., http://www.mouser.com/catalog/specsheets/XC-600014.pdf). None of my books address this, and the only thing that looks close on the web is this article: http://hem.passagen.se/communication/ifcan.html . Is his conclusion, "by tapping the transformer the Q value increases" the main reason?
3) Sticking a parallel capacitor on the primary to resonate out the magnetizing inductance makes sense to me. I'm a little less clear on parallel capacitors on both the primary and secondary -- a double-tuned arrangement. Hagen's "Radio Frequency Electronics" assigns leakage inductance to the secondary and then converts the resonating capacitor in parallel with your load resistance back into a series circuit and, voila!, you now have a series RLC circuit so clearly bandpass behavior... but this approach implies that you could just use a *series* resonating capacitor on the secondary instead. Is that correct? (I am aware that there are a handful of commonly used transformer equivalent circuit models, you can transform magnetizing or leakage inductances and losses from primary to secondary or vice versa at will, etc.)
4) Anyone have pointers to good books or articles that ideally discuss some actual design examples of the more complicated cases (weird primary turns ratios, double-tuned circuits, etc.)? -- The ones I've found so far as the simpler single-tuned case, just center-tapped, etc.

Thanks a lot... I appreciate the help here!

---Joel

130. HOT NEVER HOT VIDEOS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 01:54:34 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <af0a6b94-416e-47b6-a79c-65c299250eb7@t13g2000prc.googlegroups.com>
Source record: 1190

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

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http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
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http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
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http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
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tollywood hot kiss
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for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

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http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
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http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

131. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 02:38:18 UTC
From: FigureItOut <LocusPocus@magicregion.org>
Message-ID: <m0hbm6ltbs2043hv5016guoi15050ksm1g@4ax.com>
Source record: 1191
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Sun, 20 Feb 2011 14:26:42 -0600, "amdx" <amdx@knology.net> wrote:

>
>"FigureItOut" <LocusPocus@magicregion.org> wrote in message
>news:9fo2m6hrjti4ldr0enenoh2huj128ecvuq@4ax.com...
>> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx" <amdx@knology.net> wrote:
>>
>>>http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>>>
>>>The plates are 1 cm x 1 cm spaced 5 mm apart.
>>
>>
>> Ever consider simply using a proper air core variable cap?
>
>You have any 0.3pf air variables.

You could manage .3 with the empty tank alone.

>Why is this one improper?
> Mikek

Because applying the lid changed the value. Duh.

That air gap is so big that even local electrostatic fields would fuck
with it.

132. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 02:56:40 UTC
From: John - KD5YI <sophi.2@invalid.org>
Message-ID: <ik4hdbsnq1@news.eternal-september.org>
Source record: 1192
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

```
On 2/23/2011 8:38 PM, FigureItOut wrote:
> On Sun, 20 Feb 2011 14:26:42 -0600, "amdx"<amdx@knology.net> wrote:
>
>>
>> "FigureItOut"<LocusPocus@magicregion.org> wrote in message
>> news:9fo2m6hrjti4ldr0enenoh2hujl28ecvuq@4ax.com...
>>> On Sun, 20 Feb 2011 09:20:12 -0600, "amdx"<amdx@knology.net> wrote:
>>>
>>>> http://i395.photobucket.com/albums/pp37/Qmavam/1cmx1cmspaced5mm.jpg
>>>>
>>>> The plates are 1 cm x 1 cm spaced 5 mm apart.
>>>
>>>
>>> Ever consider simply using a proper air core variable cap?
>>
>> You have any 0.3pf air variables.
>
> You could manage .3 with the empty tank alone.
>

Can you back that up with calculations using believable numbers?

>> Why is this one improper?
>> Mikek
>
> Because applying the lid changed the value. Duh.
>
> That air gap is so big that even local electrostatic fields would fuck
> with it.

Plagiarism from an earlier post aside, you are on the verge of offering
some legitimate advice. But your delivery sucks more than a vacuum.
Maybe you have a black hole. You should look into that. Literally.
```

133. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 12:23:09 UTC
From: FigureItOut <LocusPocus@magicregion.org>
Message-ID: <71jcm61fvo7fgsmcq9o80vh5q8lqj3mcrk@4ax.com>
Source record: 1193
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI <sophi.2@invalid.org>
wrote:

>Can you back that up with calculations using believable numbers?

Fuck you, you fucking retard. Did you not read the post? He said that
putting the lid on changed the value. You would have to be a complete
dolt (you are) to miss that one!

Again, come back when you are not being your usual mouthy little bitch
self.

Plagiarism? You're an idiot, and a goddamned liar, boy. I was making
feedback circuit caps before you even knew what an antenna match was.

Fuck off, Johnny. Die, Johnny. Die painfully, Johnny. Go mouth
someone more deserving of the shit you spew... your mother.

134. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 13:33:03 UTC
From: JW <none@dev.null>
Message-ID: <6ekcm6dl8d8jkumodnfmm4cr2u86tm7mh8@4ax.com>
Source record: 1194
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Thu, 24 Feb 2011 04:23:09 -0800 FigureItOut
<LocusPocus@magicregion.org> wrote in Message id:
<71jcm61fvo7fgsmcq9o80vh5q8lqj3mcrk@4ax.com>:

>On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI <sophi.2@invalid.org>
>wrote:
>
>>Can you back that up with calculations using believable numbers?
>
>
> Fuck you, you fucking retard. Did you not read the post? He said that
>putting the lid on changed the value. You would have to be a complete
>dolt (you are) to miss that one!
>
> Again, come back when you are not being your usual mouthy little bitch
>self.
>
> Plagiarism? You're an idiot, and a goddamned liar, boy. I was making
>feedback circuit caps before you even knew what an antenna match was.
>
> Fuck off, Johnny. Die, Johnny. Die painfully, Johnny. Go mouth
>someone more deserving of the shit you spew... your mother.

How do you type with a straitjacket on?

135. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 14:23:05 UTC
From: Pomegranate Bastard <pommyB@dsl.pipex.com>
Message-ID: <ubqcm6tp67e0g89aaot4r3cju4kpslob4v@4ax.com>
Source record: 1195
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Thu, 24 Feb 2011 04:23:09 -0800, FigureItOut
<LocusPocus@magicregion.org> wrote:

>On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI <sophi.2@invalid.org>
>wrote:
>
>>Can you back that up with calculations using believable numbers?
>
>
> Fuck you, you fucking retard. Did you not read the post? He said that
>putting the lid on changed the value. You would have to be a complete
>dolt (you are) to miss that one!
>
> Again, come back when you are not being your usual mouthy little bitch
>self.
>
> Plagiarism? You're an idiot, and a goddamned liar, boy. I was making
>feedback circuit caps before you even knew what an antenna match was.

So what made you take up pushing a mop?

>
> Fuck off, Johnny. Die, Johnny. Die painfully, Johnny. Go mouth
>someone more deserving of the shit you spew... your mother.

136. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 15:37:03 UTC
From: mzenier@eskimo.com
Message-ID: <ik8l8k01j9a@enews2.newsguy.com>
Source record: 1107

In article <zQh9p.228282$Ud7.114682@en-nntp-16.dc1.easynews.com>,
Joel Koltner <zapwireDASHgroups@yahoo.com> wrote:

>2) I can readily see why you'd want a center-tapped primary, or a primary
>with, say, a tap 10% "up" as a small feedback winding, but why do you get such
>things as an IF transformer with 103 and 50 turns on the primary (on either
>side of the tap) and then 27 turns on the secondary? (E.g.,
>http://www.mouser.com/catalog/specsheets/XC-600014.pdf). None of my books
>address this, and the only thing that looks close on the web is this article:
>http://hem.passagen.se/communication/ifcan.html . Is his conclusion, "by
>tapping the transformer the Q value increases" the main reason?

Tranformers from the 1960's vintage for bipolar transistors were
tapped in strange ways. I don't remember any special use of taps
on tube era stuff.

>3) Sticking a parallel capacitor on the primary to resonate out the
>magnetizing inductance makes sense to me. I'm a little less clear on parallel
>capacitors on both the primary and secondary -- a double-tuned arrangement.
>Hagen's "Radio Frequency Electronics" assigns leakage inductance to the
>secondary and then converts the resonating capacitor in parallel with your
>load resistance back into a series circuit and, voila!, you now have a series
>RLC circuit so clearly bandpass behavior... but this approach implies that you
>could just use a *series* resonating capacitor on the secondary instead. Is
>that correct? (I am aware that there are a handful of commonly used
>transformer equivalent circuit models, you can transform magnetizing or
>leakage inductances and losses from primary to secondary or vice versa at
>will, etc.)

There's a discussion older ARRL handbooks about getting broad bandwidth
with dual tuned over-coupled IF transformers.

>4) Anyone have pointers to good books or articles that ideally discuss some
>actual design examples of the more complicated cases (weird primary turns
>ratios, double-tuned circuits, etc.)? -- The ones I've found so far as the
>simpler single-tuned case, just center-tapped, etc.

Digging out an copy of Terman's _Radio Engineer's Handbook_ (that I
bought at a used bookstore and never got around to reading), it has
a discussion of point 3 in the section on "tuned amplifiers", (which
appears to be what the ARRL was cribbing from).

Mark Zenier mzenier@eskimo.com
Googleproofaddress(account:mzenier provider:eskimo domain:com)

137. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 19:03:29 UTC
From: John - KD5YI <sophi.2@invalid.org>
Message-ID: <ik6a24$mk5$1@news.eternal-september.org>
Source record: 1196
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On 2/24/2011 6:23 AM, FigureItOut wrote:
> On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI<sophi.2@invalid.org>
> wrote:

To put this back in context, you said:

>> You could manage .3 with the empty tank alone.
>>

And I said:

>> Can you back that up with calculations using believable numbers?
>

I read the post. But I challenged you to prove what you asserted knowing
that you could not.

>
> Again, come back when you are not being your usual mouthy little bitch
> self, NymNuts, AlwaysWrong, PomegranateHead.

138. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-24 23:35:39 UTC
From: Andrew Holme <ah@nospam.com>
Message-ID: <fXB9p.81779$qA1.43216@newsfe08.ams2>
Source record: 1197

"Joel Koltner" <zapwireDASHgroups@yahoo.com> wrote in message
news:zQh9p.228282$Ud7.114682@en-nntp-16.dc1.easynews.com...
>I graduated from college back in the 1994, and even then we were admonished
>to avoid magnetics whenever possible. Of course, these days I know better,
>but as a result my academic coverage of IF transformers was non-existant.
>
> I'm now trying to make up for that transgression. :-)
>
> I've done a fair amount of reading and have a good understanding on how IF
> transformers work, how they should be modeled, how to build them, etc.
> (Most of the books that address this in detail are from the 1970s or
> older, it seems...) I still have a few questions, though, that I'm hoping
> a few of the older reads could help me out on. They are:
>

[snip]

> 2) I can readily see why you'd want a center-tapped primary, or a primary
> with, say, a tap 10% "up" as a small feedback winding, but why do you get
> such things as an IF transformer with 103 and 50 turns on the primary (on
> either side of the tap) and then 27 turns on the secondary? (E.g.,
> http://www.mouser.com/catalog/specsheets/XC-600014.pdf). None of my
> books address this, and the only thing that looks close on the web is this
> article: http://hem.passagen.se/communication/ifcan.html . Is his
> conclusion, "by tapping the transformer the Q value increases" the main
> reason?

Short answer: yes.

Long answer:

That IF transformer is intended for driving a stage with an input impedance
of 5K. When they say the primary impedance is 20k, they mean between pins 2
and 3. 50:27 = ~ 2:1 turns ratio = ~ 4:1 impedance ratio. So you connect
pin 2 to the supply and pin 3 to the collector of your transistor and it
sees a load of ~ 20k, ignoring coil losses. The 180pF tuning capacitance is
connected between pins 1 and 3. You could try to resonate it by connecting
a much larger cap (1.7nF !) between 2 and 3 and not use the 1-2 section at
all; but the smaller cap has higher stability, tighter tolerance and lower
loss.

The 20k and 5k impedances are dictated by the nature of bipolar transistors.

The required bandwidth and IF centre frequency fix loaded Q.

Dynamic impedance and loaded Q in turn determine the reactance needed at
resonance.

You could design an untapped 4:1 impedance ratio transformer to do the same job; but you would have difficulty achieving the required Q.

139. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 00:40:58 UTC
From: FigureItOut <LocusPocus@magicregion.org>
Message-ID: <nbudm6h4skfdff2nnn691ful0gnnijhkri@4ax.com>
Source record: 1198
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Thu, 24 Feb 2011 13:03:29 -0600, John - KD5YI <sophi.2@invalid.org>
wrote:

>On 2/24/2011 6:23 AM, FigureItOut wrote:
>> On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI<sophi.2@invalid.org>
>> wrote:
>
>To put this back in context,

It was never out of context, you retarded fuck.

> you said:
>
> >> You could manage .3 with the empty tank alone.
> >>

And I could.

>And I said:
>
>>> Can you back that up with calculations using believable numbers?
>>

Then, you mouthed off like a little petty bitch with some lame claim.
You lose. Fuck off. Your mother is a slut.

>I read the post.

Good for you. Stop acting like you didn't then.

> But I challenged you to prove what you asserted knowing
>that you could not.

I do not need to prove a goddamned thing to a retarded twit like you.

Again, come back when you are not being your usual mouthy little bitch
self, JW, the fucking total retard.

You're a post-edit little cunt too. The Pomegranite retard is someone
else, you dumb fuck.

Write your own lines and stop fucking with mine, pussy boy.

Better yet, fuck off and die. I do not need to waste my time on a twit
like you. Nor will I.

140. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 01:54:45 UTC
From: Spamm Trappe <knock_yourself_out@example.net>
Message-ID: <slrnime2v5.23kr.knock_yourself_out@shell.config.com>
Source record: 1199

On Thu, 24 Feb 2011 16:40:58 -0800, FigureItOut wrote:
> On Thu, 24 Feb 2011 13:03:29 -0600, John - KD5YI wrote:
>>On 2/24/2011 6:23 AM, FigureItOut wrote:
>>> On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI wrote:
>>
>>To put this back in context,
>
> It was never out of context, you retarded fuck.
>
>> you said:
>>
>> >> You could manage .3 with the empty tank alone.
>
> And I could.
>
>>And I said:
>>
>>>> Can you back that up with calculations using believable numbers?
>
> Then, you mouthed off like a little petty bitch with some lame claim.
> You lose. Fuck off. Your mother is a slut.
>
>>I read the post.
>
> Good for you. Stop acting like you didn't then.
>
>> But I challenged you to prove what you asserted knowing
>>that you could not.
>
> I do not need to prove a goddamned thing to a retarded twit like you.
>
> Again, come back when you are not being your usual mouthy little bitch
> self, JW, the fucking total retard.
>
> You're a post-edit little cunt too. The Pomegranite retard is someone
> else, you dumb fuck.
>
> Write your own lines and stop fucking with mine, pussy boy.
>
> Better yet, fuck off and die. I do not need to waste my time on a twit
> like you. Nor will I.

It sure doesn't take too much depth in the followups of this NG
before it degenerates into a pissing contest that two or more

uncouth jerks should have taken to private email.

141. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 02:04:29 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <O6E9p.257538$Mg5.254257@en-nntp-06.dc1.easynews.com>
Source record: 1200

Thanks Andrew, that helps a lot!

(...I do think in the example I linked to -- http://hem.passagen.se/communication/ifcan.html -- his circuit's Q as drawn actually increases 1/(0.67^2) times rather than 1/(0.33^2) times, though; I've e-mailed the guy to ask.)

---Joel

142. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 02:06:34 UTC
From: John - KD5YI <sophi.2@invalid.org>
Message-ID: <ik72rdsuq1@news.eternal-september.org>
Source record: 1101
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On 2/24/2011 6:40 PM, FigureItOut wrote:

>> To put this back in context,

>> you said:
>>
>>>> You could manage .3 with the empty tank alone.
>>>>
>
> And I could.
>
>> And I said:
>>
>>>> Can you back that up with calculations using believable numbers?
>>>

>
>> But I challenged you to prove what you asserted knowing
>> that you could not.
>
> I do not need to prove a goddamned thing to a retarded twit like you.

Since you can't anyway, that statement is an attempt to show your
superiority in the face of humiliation.

> The Pomegranite retard is my lover, you dumb fuck.
>
>
> I do not need to waste my time on a twit like you. Nor will I.

Good! Then I'm sure you will not waste your time responding to this one.

Yawn

Anyhow, I'm done with you, too.

143. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 03:51:31 UTC
From: John - KD5YI <sophi.2@invalid.org>
Message-ID: <ik7908$d59$1@news.eternal-september.org>
Source record: 1102
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On 2/24/2011 8:23 AM, Pomegranate Bastard wrote:
> On Thu, 24 Feb 2011 04:23:09 -0800, FigureItOut
> <LocusPocus@magicregion.org> wrote:
>
>> On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI<sophi.2@invalid.org>
>> wrote:
>>
>>> Can you back that up with calculations using believable numbers?
>>
>>
>> Fuck you, you fucking retard. Did you not read the post? He said that
>> putting the lid on changed the value. You would have to be a complete
>> dolt (you are) to miss that one!
>>
>> Again, come back when you are not being your usual mouthy little bitch
>> self.
>>
>> Plagiarism? You're an idiot, and a goddamned liar, boy. I was making
>> feedback circuit caps before you even knew what an antenna match was.
>
> So what made you take up pushing a mop?
>
>>
>> Fuck off, Johnny. Die, Johnny. Die painfully, Johnny. Go mouth
>> someone more deserving of the shit you spew... your mother.

Pomegranate Bastard - I mistakenly referred to you in this thread in an unflattering way, as you will eventually see. I regret that reference and apologize for any embarassment which you certainly do not deserve.

Sorry.

John

144. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 03:58:16 UTC
From: Paul Probert <paulprobert@sbcglobal.net>
Message-ID: <pvlj38-qv2.ln1@giganews.com>
Source record: 1103

On 02/23/2011 06:43 PM, Joel Koltner wrote:
>
> 1) The really big 450kHz IF transformers you see in tube sets... why did
> they wind the coils in the form of "pancakes" rather than "the usual
> way" (single-layer coils)? Is it just a consequence of needing lots of
> turns (to get enough magnetizing inductance) but, for the coupling
> coefficient desired, finding that you'd end up with, e.g,. a foot-long
> tranformer if you only used a single layer?

They do this to try to keep the self-resonance of the winding up above
the operating frequency. By spreading the winding out into series
connected pancakes the stray capacitances have a harder time shunting
large inductances. You see this kind of construction on RF chokes too.

Paul Probert

145. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 11:36:25 UTC
From: John J <John.J@nospam.thanks>
Message-ID: <ik848d$13j$1@speranza.aioe.org>
Source record: 1104

"Joel Koltner" wrote

> 1) The really big 450kHz IF transformers you see in tube sets... why did
> they wind the coils in the form of "pancakes" rather than "the usual way"
> (single-layer coils)? Is it just a consequence of needing lots of turns
> (to get enough magnetizing inductance) but, for the coupling coefficient
> desired, finding that you'd end up with, e.g,. a foot-long tranformer if
> you only used a single layer?

See

http://www.crystal-radio.eu/enkoppelfactor.htm

146. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 12:47:13 UTC
From: FigureItOut <LocusPocus@magicregion.org>
Message-ID: <n49fm6ll3r5ajaqr2ibj1jekkpt5ej8m63@4ax.com>
Source record: 1105
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Thu, 24 Feb 2011 21:51:31 -0600, John - KD5YI <sophi.2@invalid.org>
wrote:

>Pomegranate Bastard - I mistakenly referred to you in this thread in an
>unflattering way, as you will eventually see. I regret that reference
>and apologize for any embarassment which you certainly do not deserve.
>
>Sorry.
>
>John

He most certainly does deserve a dirt nap. So do you.

147. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 14:33:32 UTC
From: Pomegranate Bastard <pommyB@dsl.pipex.com>
Message-ID: <r9ffm697m6j53tlsthffneclvr675rb8dp@4ax.com>
Source record: 1106
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Thu, 24 Feb 2011 16:40:58 -0800, FigureItOut
<LocusPocus@magicregion.org> wrote:

>On Thu, 24 Feb 2011 13:03:29 -0600, John - KD5YI <sophi.2@invalid.org>
>wrote:
>
>>On 2/24/2011 6:23 AM, FigureItOut wrote:
>>> On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI<sophi.2@invalid.org>
>>> wrote:
>>
>>To put this back in context,
>
> It was never out of context, you retarded fuck.
>
>> you said:
>>
>> >> You could manage .3 with the empty tank alone.
>> >>
>
> And I could.
>
>>And I said:
>>
>>>> Can you back that up with calculations using believable numbers?
>>>
>
> Then, you mouthed off like a little petty bitch with some lame claim.
>You lose. Fuck off. Your mother is a slut.
>
>>I read the post.
>
> Good for you. Stop acting like you didn't then.
>
>> But I challenged you to prove what you asserted knowing
>>that you could not.
>
> I do not need to prove a goddamned thing to a retarded twit like you.
>
>
> Again, come back when you are not being your usual mouthy little bitch
> self, JW, the fucking total retard.
>
> You're a post-edit little cunt too. The Pomegranite retard is someone

^^^^^^^
If you must insult me, at least learn to spell correctly, you
pig-ignorant, illiterate septic sack of shit.

>else, you dumb fuck.
>
> Write your own lines and stop fucking with mine, pussy boy.
>
> Better yet, fuck off and die. I do not need to waste my time on a twit
>like you. Nor will I.

148. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 17:44:11 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <MTR9p.414599$Ph5.86720@en-nntp-07.dc1.easynews.com>
Source record: 1108

"Paul Probert" <paulprobert@sbcglobal.net> wrote in message
news:pvlj38-qv2.ln1@giganews.com...
> On 02/23/2011 06:43 PM, Joel Koltner wrote:
>>
>> 1) The really big 450kHz IF transformers you see in tube sets... why did
>> they wind the coils in the form of "pancakes" rather than "the usual
>> way"?
> They do this to try to keep the self-resonance of the winding up above the
> operating frequency. By spreading the winding out into series connected
> pancakes the stray capacitances have a harder time shunting large
> inductances. You see this kind of construction on RF chokes too.

Ah, clever!

One I was looking at the other day has some fancy weaving involved as well; it must have been quite an interesting machine that made them.

Poking around You Tube some I see that winding single-layer (no fancy waving) coils is quite doable at home (the Tesla coil guys are quite into it). It's pretty slick: http://www.youtube.com/watch?v=N3N-tw6OEXw .

Thanks for the help,
---Joel

149. Re: help designing gimmick capacitor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 18:05:09 UTC
From: Pomegranate Bastard <pommyB@dsl.pipex.com>
Message-ID: <iirfm65a5efjg0g1qr0ekv80lkelvgna70@4ax.com>
Source record: 1109
Cross-posted to: sci.electronics.design,rec.radio.amateur.homebrew

On Thu, 24 Feb 2011 21:51:31 -0600, John - KD5YI <sophi.2@invalid.org>
wrote:

>On 2/24/2011 8:23 AM, Pomegranate Bastard wrote:
>> On Thu, 24 Feb 2011 04:23:09 -0800, FigureItOut
>> <LocusPocus@magicregion.org> wrote:
>>
>>> On Wed, 23 Feb 2011 20:56:40 -0600, John - KD5YI<sophi.2@invalid.org>
>>> wrote:
>>>
>>>> Can you back that up with calculations using believable numbers?
>>>
>>>
>>> Fuck you, you fucking retard. Did you not read the post? He said that
>>> putting the lid on changed the value. You would have to be a complete
>>> dolt (you are) to miss that one!
>>>
>>> Again, come back when you are not being your usual mouthy little bitch
>>> self.
>>>
>>> Plagiarism? You're an idiot, and a goddamned liar, boy. I was making
>>> feedback circuit caps before you even knew what an antenna match was.
>>
>> So what made you take up pushing a mop?
>>
>>>
>>> Fuck off, Johnny. Die, Johnny. Die painfully, Johnny. Go mouth
>>> someone more deserving of the shit you spew... your mother.
>
>
>Pomegranate Bastard - I mistakenly referred to you in this thread in an
>unflattering way, as you will eventually see. I regret that reference
>and apologize for any embarassment which you certainly do not deserve.

It's okay, John. I realised it must have been a mistake.

After all, who wants to be categorised with an utter imbecile like
Nymbecile?

>
>Sorry.
>
>John
>

>
>

150. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 18:34:27 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <VCS9p.725707$iV7.263632@en-nntp-15.dc1.easynews.com>
Source record: 1110

"John J" <John.J@nospam.thanks> wrote in message
news:ik848d$13j$1@speranza.aioe.org...
> See
> http://www.crystal-radio.eu/enkoppelfactor.htm

Thanks John.

What stymies me about the double-tuned transformer is this: If you look at Hagen's exaplanation for how they can be modeled -- I've stuck a scan here: http://koltner.com/Hagen.png -- he's modeling it as the primary's parallel capacitor is resonating with the magnetizing inductance of the IFT and the secondary's parallel capacitor is resonating with the leakage inductance... and this is then made more obvious if you use the high-Q approximation and transform a parallel RC circuit into a series RC circuit. But if that's the case... doesn't it seem as though the most straightforward way to use an IFT would be to have a parallel capacitor on the primary and a *series* capacitor on the secondary?

I realize that you can move impedances from one side of an IFT to another and change the equivalent circuit model and so on and present numerous different "views" that all end up with the same correct mathematical behavior to model what are really just two coupled inductors, but still... does anyone using a series resonating capacitor on their secondaries?

---Joel

151. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-25 18:43:58 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <PLS9p.414802$Ph5.63504@en-nntp-07.dc1.easynews.com>
Source record: 1111

Answering myself here:

"Joel Koltner" <zapwireDASHgroups@yahoo.com> wrote in message
news:VCS9p.725707$iV7.263632@en-nntp-15.dc1.easynews.com...
> does anyone using a series resonating capacitor on their secondaries?

Googol books provides some pages from the "Electromagnetic Compatibility Handbook" by Kenneth Kaiser (http://books.google.com/books?id=nZzOAsroBIEC&pg=RA1-PA19&lpg=RA1-PA19) and states:

"There are four different configurations for the double-tuned transformer based on the positions of the capacitors on the primary and secondary sides. For example, one capacitor can be in series with the primary winding, whereas another capacitor can be in parallel with the secondary winding. A few reasons why one configuration is selected over another will be discussed after a few circuits are analyzed."

...and so on...

This is Good To Know.

---Joel

152. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-26 07:36:00 UTC
From: John J <John.J@nospam.thanks>
Message-ID: <ikaai5$2bu$1@speranza.aioe.org>
Source record: 1112

"Joel Koltner" wrote

> What stymies me about the double-tuned transformer is this: If you look at
> Hagen's exaplanation for how they can be modeled -- I've stuck a scan
> here: http://koltner.com/Hagen.png -- he's modeling it as the primary's
> parallel capacitor is resonating with the magnetizing inductance of the
> IFT and the secondary's parallel capacitor is resonating with the leakage
> inductance... and this is then made more obvious if you use the high-Q
> approximation and transform a parallel RC circuit into a series RC
> circuit. But if that's the case... doesn't it seem as though the most
> straightforward way to use an IFT would be to have a parallel capacitor on
> the primary and a *series* capacitor on the secondary?
>
> I realize that you can move impedances from one side of an IFT to another
> and change the equivalent circuit model and so on and present numerous
> different "views" that all end up with the same correct mathematical
> behavior to model what are really just two coupled inductors, but still...
> does anyone using a series resonating capacitor on their secondaries?

If you use a capacitor in series with the winding to create series resonant
circuit, then the impedance at resonance will be low.

For a tube IF, you really want high impedances at resonance.

In the plate circuit this is to minimise current draw.

The grid input of the preceeding stage is high impedance and is voltage
driven, therefore a parallel tuned circuit is ideal.

So hence the use of dual parallel tuned circuits.

153. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-26 08:12:42 UTC
From: John J <John.J@nospam.thanks>
Message-ID: <ikacm3$6sr$1@speranza.aioe.org>
Source record: 1113

"John J" wrote
>
>> What stymies me about the double-tuned transformer is this: If you look
>> at Hagen's exaplanation for how they can be modeled -- I've stuck a scan
>> here: http://koltner.com/Hagen.png -- he's modeling it as the primary's
>> parallel capacitor is resonating with the magnetizing inductance of the
>> IFT and the secondary's parallel capacitor is resonating with the leakage
>> inductance... and this is then made more obvious if you use the high-Q
>> approximation and transform a parallel RC circuit into a series RC
>> circuit. But if that's the case... doesn't it seem as though the most
>> straightforward way to use an IFT would be to have a parallel capacitor
>> on the primary and a *series* capacitor on the secondary?
>>
>> I realize that you can move impedances from one side of an IFT to another
>> and change the equivalent circuit model and so on and present numerous
>> different "views" that all end up with the same correct mathematical
>> behavior to model what are really just two coupled inductors, but
>> still... does anyone using a series resonating capacitor on their
>> secondaries?
>
> If you use a capacitor in series with the winding to create series
> resonant circuit, then the impedance at resonance will be low.
>
> For a tube IF, you really want high impedances at resonance.
>
> In the plate circuit this is to minimise current draw.
>
> The grid input of the preceeding stage is high impedance and is voltage
> driven, therefore a parallel tuned circuit is ideal.
>
> So hence the use of dual parallel tuned circuits.

I should have added

If you want to see an application for series tuned curcuits, although not in
a IF application, have a look at the base circuit of almost any VHF
single ended RF power amplifier using a bipolar transistor. The input
impedance of such amps is low hence the appropriate use of a series tuned
circuit.

154. Kokusai filter

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-27 16:36:14 UTC
From: Bill M <radioexray@geeeemail.com>
Message-ID: <ikduie0uid@news2.newsguy.com>
Source record: 1114

Hi,

I recently re-found a homebrew receiver that I built back in the 80s and am going to try to get it going again.

My question is regarding the Kokusai MF-455ZU-21H mechanical filter. This was a popular filter in its day and I wonder how well they hold up over time? I know some of these things had foam that melts/disintegrates into mush. Any comments or observation on this particular type would be appreciated.

Thanks,
Bill WX4A/KP4

155. Re: Kokusai filter

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-27 22:38:02 UTC
From: me9@privacy.net
Message-ID: <51AC530722%brian13434@lycos.co.uk>
Source record: 1115

On 27 Feb,
Bill M <radioexray@geeeemail.com> wrote:

> My question is regarding the Kokusai MF-455ZU-21H mechanical filter.
> This was a popular filter in its day and I wonder how well they hold up
> over time? I know some of these things had foam that
> melts/disintegrates into mush. Any comments or observation on this
> particular type would be appreciated.

I had one in my KW2000A. It lost sensitivity and drive due to filter degrading. I unsoldered the can and removed the goo that the foam had become, much improving performance but it's still well below par. The transducers or transformers at the ends of the filter are easily damaged and also likely to fail. Somewhere on the internet are details for refurb. There was also an article years ago on upgrading to a crystal filter but I can no longer find it. I've now given up on that rig and gone to an SDR one.

--
G8AOE
Change lycos to yahoo to reply

156. Re: Kokusai filter

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-28 00:05:32 UTC
From: Bill M <radioexray@geeeemail.com>
Message-ID: <ikeosv02ij5@news5.newsguy.com>
Source record: 1116

me9@privacy.net wrote:
> On 27 Feb,
> Bill M <radioexray@geeeemail.com> wrote:
>
>> My question is regarding the Kokusai MF-455ZU-21H mechanical filter.
>> This was a popular filter in its day and I wonder how well they hold up
>> over time? I know some of these things had foam that
>> melts/disintegrates into mush. Any comments or observation on this
>> particular type would be appreciated.
>
> I had one in my KW2000A. It lost sensitivity and drive due to filter
> degrading. I unsoldered the can and removed the goo that the foam had become,
> much improving performance but it's still well below par. The transducers or
> transformers at the ends of the filter are easily damaged and also likely to
> fail. Somewhere on the internet are details for refurb. There was also an
> article years ago on upgrading to a crystal filter but I can no longer find
> it. I've now given up on that rig and gone to an SDR one.
>
>
>
Thanks Brian. I was afraid of that. I never had the radio up to 100%
originally. It was a homebrew and I guess its like a new project
nowadays with all the pieces there to troubleshoot. Its not a
'necessary' rig but I'd sure like to get it in shape for old times
sake...if I can. It was a learning experience before - some things
don't change, do they?

Regards,
Bill

157. Re: Kokusai filter

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-28 03:31:32 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1102272220110.5358@darkstar.example.net>
Source record: 1117

On Sun, 27 Feb 2011, Bill M wrote:

> Hi,
>
> I recently re-found a homebrew receiver that I built back in the 80s and am
> going to try to get it going again.
>
> My question is regarding the Kokusai MF-455ZU-21H mechanical filter. This was
> a popular filter in its day and I wonder how well they hold up over time? I
> know some of these things had foam that melts/disintegrates into mush. Any
> comments or observation on this particular type would be appreciated.
>
I don't know which filters had the foam problem, all I remember hearing
about is "Japanese mechanical filters".

But they have been discussed before, I think here but maybe in the
boatanchors newsgroup. I can almost picture someone detailing how to
renovate them. I just tried <"mechanical filter" foam> and that gets
some relevant hits, but apparently aquariums use "mechanical filters" so
there must be some word that would limit it to radio. One post had a link
to a webpage, but the webpage is no longer there, so doing a more careful
search of the mewsgroup archives and then a websearch might help.

Michael VE2BVW

158. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-28 05:10:56 UTC
From: Tim Wescott <tim@seemywebsite.com>
Message-ID: <Tb2dnec9C7f9s_bQnZ2dnUVZ_uqdnZ2d@web-ster.com>
Source record: 1118

On Wed, 23 Feb 2011 16:43:10 -0800, Joel Koltner wrote:

> I graduated from college back in the 1994, and even then we were
> admonished to avoid magnetics whenever possible. Of course, these days
> I know better, but as a result my academic coverage of IF transformers
> was non-existant.
>
> I'm now trying to make up for that transgression. :-)
>
> I've done a fair amount of reading and have a good understanding on how
> IF transformers work, how they should be modeled, how to build them,
> etc. (Most of the books that address this in detail are from the 1970s
> or older, it seems...) I still have a few questions, though, that I'm
> hoping a few of the older reads could help me out on. They are:
>
> 1) The really big 450kHz IF transformers you see in tube sets... why did
> they wind the coils in the form of "pancakes" rather than "the usual
> way" (single-layer coils)? Is it just a consequence of needing lots of
> turns (to get enough magnetizing inductance) but, for the coupling
> coefficient desired, finding that you'd end up with, e.g,. a foot-long
> tranformer if you only used a single layer?

Googling "Pi-wound coil" may help. It was to reduce shunt capacitance,
as mentioned.

> 2) I can readily see why you'd want a center-tapped primary, or a
> primary with, say, a tap 10% "up" as a small feedback winding, but why
> do you get such things as an IF transformer with 103 and 50 turns on the
> primary (on either side of the tap) and then 27 turns on the secondary?
> (E.g., http://www.mouser.com/catalog/specsheets/XC-600014.pdf). None
> of my books address this, and the only thing that looks close on the web
> is this article: http://hem.passagen.se/communication/ifcan.html . Is
> his conclusion, "by tapping the transformer the Q value increases" the
> main reason?

> 3) Sticking a parallel capacitor on the primary to resonate
> out the magnetizing inductance makes sense to me. I'm a little less
> clear on parallel capacitors on both the primary and secondary -- a
> double-tuned arrangement. Hagen's "Radio Frequency Electronics" assigns
> leakage inductance to the secondary and then converts the resonating
> capacitor in parallel with your load resistance back into a series
> circuit and, voila!, you now have a series RLC circuit so clearly
> bandpass behavior... but this approach implies that you could just use a
> *series* resonating capacitor on the secondary instead. Is that
> correct? (I am aware that there are a handful of commonly used

> transformer equivalent circuit models, you can transform magnetizing or
> leakage inductances and losses from primary to secondary or vice versa
> at will, etc.)

Are you talking transistor IF transformers, with one slug each, or tube-type, with two? Two-slug IF transformers, with lightly coupled and independently tuned coils, gave you two filter sections in one can.

> 4) Anyone have pointers to good books or articles that ideally discuss
> some actual design examples of the more complicated cases (weird primary
> turns ratios, double-tuned circuits, etc.)? -- The ones I've found so
> far as the simpler single-tuned case, just center-tapped, etc.

Old radio texts. If you still get up to Portland from time to time, dig through Powell's Technical books.

What are you trying to do? There's good reason for not wanting to have a circuit with a bazillion tweaks that all have to be right for the thing to be in tune.

--
http://www.wescottdesign.com

159. new

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-28 11:39:28 UTC
From: muthu raja <ramsh03@gmail.com>
Message-ID: <1627eb3d-b5e2-4511-83ed-7710d8c1effd@a21g2000prj.googlegroups.com>
Source record: 1119

http://raja-forex.blogspot.com/
http://ajith-raja.blogspot.com/
http://rajini-raja.blogspot.com/
http://raja-dna.blogspot.com/
http://nanotec-raja.blogspot.com/

160. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-02-28 19:41:15 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <wTSap.459883$ZM.255321@en-nntp-02.dc1.easynews.com>
Source record: 1120

Hi Tim,

"Tim Wescott" <tim@seemywebsite.com> wrote in message
news:Tb2dnec9C7f9s_bQnZ2dnUVZ_uqdnZ2d@web-ster.com...
> Are you talking transistor IF transformers, with one slug each, or tube-
> type, with two?

One slug each. I hadn't remembered two two-slug types, but now that I think about it, I think I have seen them.

> Old radio texts. If you still get up to Portland from time to time, dig
> through Powell's Technical books.

Good idea, will do.

> What are you trying to do? There's good reason for not wanting to have a
> circuit with a bazillion tweaks that all have to be right for the thing
> to be in tune.

Yeah, although it's kinda a sad commentary that many an "FM receiver" today doesn't have a tuned front end and, as such, actually performs rather wose than radios from 30 years ago now, you know?

As for what I'm trying to do... mostly just fully understand how the cheap little transistor radios they made up until a decade or so ago operated; I sure couldn't have designed one at the point I graduated from college, and these days I finally feel as though I'd have a decent shot at it. (On the other hand, I did feel I could have designed a 6502 when I graduated from college, and then some fancier superscalar processor by the time I finished grad school -- so it's not like I didn't get anything out of it.)

(On the other hand, I *have* designed various radio transmitters and receivers that work well, they were just done more at the MMIC/IC/MiniCircuits-parts level rather than the "discrete transistor/coupled coil" level -- you know, the kind of designs industry will actually *pay* you to do. :-) You probably don't do many PID loops with op-amps anymore I expect?)

Thanks for the help,
---Joel

161. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-01 07:00:02 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1298962801@panix.com>
Source record: 1121
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

162. HOT VIDEOS BULK SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-01 09:13:51 UTC
From: 0432167FGSDFS <22gbngbfgbb@gmail.com>
Message-ID: <ccc261cf-33b5-4060-9c19-bbdb1d196562@q40g2000prh.googlegroups.com>
Source record: 1122

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
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tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

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http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

163. Standard 7 MHz QRP CW Rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-01 12:02:23 UTC
From: vu2nan <vu2nan.7b2de98@radiobanter.com>
Message-ID: <vu2nan.7b2de98@radiobanter.com>
Source record: 1123

Here's info on my link-coupled 7 MHz QRP CW Rig.

http://tinyurl.com/6jr4sck

73

Nandu.

--
vu2nan

164. Re: Standard 7 MHz QRP CW Rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-02 12:45:00 UTC
From: philo <philo@privacy.not>
Message-ID: <hZqbp.23888$YL7.9183@newsfe03.iad>
Source record: 1124

On 03/01/2011 06:02 AM, vu2nan wrote:
> Here's info on my link-coupled 7 MHz QRP CW Rig.
>
> http://tinyurl.com/6jr4sck
>
> 73
>
> Nandu.
>
>
>
>

where's the 6AG7? :)

165. Re: Standard 7 MHz QRP CW Rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-02 13:54:02 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <423fd3c6-52fc-4b9c-85f2-30c8e039b025@k10g2000prh.googlegroups.com>
Source record: 1125

On Mar 2, 7:45 am, philo <ph...@privacy.not> wrote:
> On 03/01/2011 06:02 AM, vu2nan wrote:
>
> > Here's info on my link-coupled 7 MHz QRP CW Rig.
>
> >http://tinyurl.com/6jr4sck
>
> > 73
>
> > Nandu.
>
> where's the 6AG7? :)

Hey OT;

I built this thing back in 1969 when I used to make a living selling
6AG7's
'Cept my osc used a bipolar and the output I had an antenna tuner with
parts from a Multi-Elmac. Oh yeah I used a 8"x11" piece of masonite
with fahnstock clips to connect everything, I carried it in a
looseleaf binder, was the sweetest QRP rig I ever built. Tanks for the
memories.

73
de n8zu

166. Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-02 22:21:58 UTC
From: Bob <someone@somewhere.com>
Message-ID: <ikmfu6$1js$1@news.eternal-september.org>
Source record: 1126

Looking for any information on an Illumitronx Pi network "PI air dux" , part number 1212D6 like power ratings, recommended taps / tube, etc. Looks like #12 silver plated wire.
Not sure of the spelling but it looks to be Illumitronx. Google turned up nothing.
Bob
KB8TL

Yes, I know how to measure or calculate inductance of an air wound coil

167. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-02 22:38:42 UTC
From: Bob <someone@somewhere.com>
Message-ID: <ikmgtl$ch6$1@news.eternal-september.org>
Source record: 1127

Never mind, found it!
http://glowbugs.net/AirDux.pdf

"Bob" <someone@somewhere.com> wrote in message
news:ikmfu6$1js$1@news.eternal-september.org...
> Looking for any information on an Illumitronx Pi network "PI air dux" ,
> part number 1212D6 like power ratings, recommended taps / tube, etc. Looks
> like #12 silver plated wire.
> Not sure of the spelling but it looks to be Illumitronx. Google turned up
> nothing.
> Bob
> KB8TL
>
> Yes, I know how to measure or calculate inductance of an air wound coil
>

168. Re: Standard 7 MHz QRP CW Rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-02 22:41:25 UTC
From: philo <philo@privacy.not>
Message-ID: <plzbp.4900$Rj2.4670@newsfe04.iad>
Source record: 1128

On 03/02/2011 07:54 AM, raypsi wrote:
> On Mar 2, 7:45 am, philo<ph...@privacy.not> wrote:
>> On 03/01/2011 06:02 AM, vu2nan wrote:
>>
>>> Here's info on my link-coupled 7 MHz QRP CW Rig.
>>
>>> http://tinyurl.com/6jr4sck
>>
>>> 73
>>
>>> Nandu.
>>
>> where's the 6AG7? :)
>
> Hey OT;
>
> I built this thing back in 1969 when I used to make a living selling
> 6AG7's
> 'Cept my osc used a bipolar and the output I had an antenna tuner with
> parts from a Multi-Elmac. Oh yeah I used a 8"x11" piece of masonite
> with fahnstock clips to connect everything, I carried it in a
> looseleaf binder, was the sweetest QRP rig I ever built. Tanks for the
> memories.
>
> 73
> de n8zu

Yeah that 6AG7 was a great tube

still is actually!

169. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-03 05:17:57 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <bwFbp.678382$Bh.264633@en-nntp-12.dc1.easynews.com>
Source record: 1129

"Bob" <someone@somewhere.com> wrote in message
news:ikmgtl$ch6$1@news.eternal-september.org...
> Never mind, found it!
> http://glowbugs.net/AirDux.pdf

Would it be a correct assumption that the vari-pitch Air-Dix coils were used with whatever-the-then-common variable capacitor was to achieve linear tuning (...I realize that over time capacitors were purposely made to have non-linear capacitnace with respect to dial position to achieve this as well...)? Or something else?

I like the 1957 prices. :-)

170. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-03 06:00:00 UTC
From: Tim Wescott <tim@seemywebsite.com>
Message-ID: <ENKdnYlZCN79s_LQnZ2dnUVZ_s2dnZ2d@web-ster.com>
Source record: 1130

On Mon, 28 Feb 2011 11:41:15 -0800, Joel Koltner wrote:

> Hi Tim,
>
> "Tim Wescott" <tim@seemywebsite.com> wrote in message
> news:Tb2dnec9C7f9s_bQnZ2dnUVZ_uqdnZ2d@web-ster.com...
>> Are you talking transistor IF transformers, with one slug each, or
>> tube- type, with two?
>
> One slug each. I hadn't remembered two two-slug types, but now that I
> think about it, I think I have seen them.
>
>> Old radio texts. If you still get up to Portland from time to time,
>> dig through Powell's Technical books.
>
> Good idea, will do.
>
>> What are you trying to do? There's good reason for not wanting to have
>> a circuit with a bazillion tweaks that all have to be right for the
>> thing to be in tune.
>
> Yeah, although it's kinda a sad commentary that many an "FM receiver"
> today doesn't have a tuned front end and, as such, actually performs
> rather wose than radios from 30 years ago now, you know?
>
> As for what I'm trying to do... mostly just fully understand how the
> cheap little transistor radios they made up until a decade or so ago
> operated; I sure couldn't have designed one at the point I graduated
> from college, and these days I finally feel as though I'd have a decent
> shot at it. (On the other hand, I did feel I could have designed a 6502
> when I graduated from college, and then some fancier superscalar
> processor by the time I finished grad school -- so it's not like I
> didn't get anything out of it.)
>
> (On the other hand, I *have* designed various radio transmitters and
> receivers that work well, they were just done more at the
> MMIC/IC/MiniCircuits-parts level rather than the "discrete
> transistor/coupled coil" level -- you know, the kind of designs industry
> will actually *pay* you to do. :-) You probably don't do many PID loops
> with op-amps anymore I expect?)

Does Mouser still sell them?

The point of the IF transformer was twofold: to provide selectivity, and
to give a good impedance match between stages. I think there must have

been a standard receiver design, as there just seemed to be one choice for each coil -- this in spite of the fact that as soon as you start juggling feedback and/or standing currents, you change the impedances, and therefor the required transformer.

I think if I were going to design a broadcast-band receiver, I wouldn't just re-do the old schematic from 1960 -- I'd start from a clean sheet of paper, and see where I could go from there. (Actually, I think the first thing that'd go onto that clean sheet of paper would be an ADC -- I'm a luddite in a lot of ways, but not in how I'd like to see a receiver laid out).

--
http://www.wescottdesign.com

171. Re: Standard 7 MHz QRP CW Rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-03 07:17:49 UTC
From: vu2nan <vu2nan.7b52d39@radiobanter.com>
Message-ID: <vu2nan.7b52d39@radiobanter.com>
Source record: 1131

philo;734812 Wrote:
> On 03/02/2011 07:54 AM, raypsi wrote:-
> On Mar 2, 7:45 am, philoph...@privacy.not wrote:-
> On 03/01/2011 06:02 AM, vu2nan wrote:
> -
> Here's info on my link-coupled 7 MHz QRP CW Rig.-
> -
> http://tinyurl.com/6jr4sck-
> -
> 73-
> -
> Nandu.-
>
> where's the 6AG7? :)-
>
> Hey OT;
>
> I built this thing back in 1969 when I used to make a living selling
> 6AG7's
> 'Cept my osc used a bipolar and the output I had an antenna tuner with
> parts from a Multi-Elmac. Oh yeah I used a 8"x11" piece of masonite
> with fahnstock clips to connect everything, I carried it in a
> looseleaf binder, was the sweetest QRP rig I ever built. Tanks for the
> memories.
>
> 73
> de n8zu-
>
>
>
> Yeah that 6AG7 was a great tube
>
> still is actually!

Got nostalgic too!

http://nandustips.blogspot.com/2011/02/my-first-hf-transmitter.html

73

Nandu.

--
vu2nan

172. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-03 18:15:42 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <iVQbp.714028$pX3.31988@en-nntp-11.dc1.easynews.com>
Source record: 1132

"Tim Wescott" <tim@seemywebsite.com> wrote in message
news:ENKdnYlZCN79s_LQnZ2dnUVZ_s2dnZ2d@web-ster.com...
> Does Mouser still sell them?

Somewhat surprisingly, yes, they do. (Although of the many hundreds they have listed in their system, it's only something like a couple dozen they actually have stock of.)

> The point of the IF transformer was twofold: to provide selectivity, and
> to give a good impedance match between stages. I think there must have
> been a standard receiver design, as there just seemed to be one choice
> for each coil -- this in spite of the fact that as soon as you start
> juggling feedback and/or standing currents, you change the impedances,
> and therefor the required transformer.

Agreed -- and I additionally suspect that many people who made those receivers didn't necessarily understand the design itself that well. I.e., if it basically worked and wasn't clearly deaf, it became a product -- few if any AM/FM receivers found on the shelves of, e.g., Sears listed things like their sensitivity, adjacent channel rejection, etc. (From the flip side, though, I suppose that's one of the things the FCC did: Coordinated frequencies and power levels such that just about any radio would work "reasonably" well; it's a very different market from, say, amateur radio where there's little or no coordination of these parameters and the customer may very well want to try to listen to some QRP station on 14.15MHz while there's some big gun blasting away on 14.14MHz...)

> I think if I were going to design a broadcast-band receiver, I wouldn't
> just re-do the old schematic from 1960 -- I'd start from a clean sheet of
> paper, and see where I could go from there.

I agree insofar as the actual design goes, but I like to study these older technologies because I think it's all too easy to not realize just how good the performance of some of the old designs were (for your new design you'd like to start with specs that are hopefully some improvement or at least as good as the old ones...), and also because a lot of the same *techniques* can be applied to modern designs just as well as they could to old ones (e.g., varactor tuning is just an evolution of mechanical tuning, neutralization applies just as much to BJTs as it does to tubes, etc.).

> (Actually, I think the first
> thing that'd go onto that clean sheet of paper would be an ADC -- I'm a
> luddite in a lot of ways, but not in how I'd like to see a receiver laid
> out).

That works, but consider that if you digitize the entire broadcast FM band at once (all 20MHz of it), compared to a $20 superhet receiver:

-- Your weak signal sensitivity may be worse, since your dynamic range is spread across the entire band rather than just what'll fit through an IF filter.
-- You'll likely suck rather more power from a battery.
-- It'll probably cost more.
-- For the channels you can receive well, you'll have infinitely more options on being able to reduce noise, change your audio bandwidth, recovery stereo, decode RDS, an so on. :-)

---Joel

173. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-03 20:34:02 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <c08f44b1-2752-4fd1-b2f6-6636d56b2c7b@o21g2000prh.googlegroups.com>
Source record: 1133

On Mar 2, 9:17 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> "Bob" <some...@somewhere.com> wrote in message
>
> news:ikmgtl$ch6$1@news.eternal-september.org...
>
> > Never mind, found it!
> >http://glowbugs.net/AirDux.pdf
>
> Would it be a correct assumption that the vari-pitch Air-Dix coils were used
> with whatever-the-then-common variable capacitor was to achieve linear tuning
> (...I realize that over time capacitors were purposely made to have non-linear
> capacitnace with respect to dial position to achieve this as well...)? Or
> something else?
>
> I like the 1957 prices. :-)

No, since the inductance, however it's achieved (that is, whether the coil is one constant pitch or multiple pitches or continuously variable pitch), is constant for a given switch setting. The reason for the "variable" pitch in a tapped PI network coil is so that the lower inductances for the higher frequencies don't end up being coils that are very short compared with their diameter. A good way to put it is perhaps that the unloaded coil Q is more constant over the various bands, if you use a larger pitch (wider spacing) for the coil section that will remain unshorted on the higher frequency bands.

Cheers,
Tom

(Yeah, and I like 1957 prices for cars, houses, gas, bread, coffee, ... -- but I like 2011 prices for what you get in consumer electronics, for sure!)

174. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-03 22:45:13 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <%RUbp.274465$UC6.200657@en-nntp-08.dc1.easynews.com>
Source record: 1134

"K7ITM" <k7itm@msn.com> wrote in message
news:c08f44b1-2752-4fd1-b2f6-6636d56b2c7b@o21g2000prh.googlegroups.com...
>No, since the inductance, however it's achieved (that is, whether the
>coil is one constant pitch or multiple pitches or continuously
>variable pitch), is constant for a given switch setting. The reason
>for the "variable" pitch in a tapped PI network coil is so that the
>lower inductances for the higher frequencies don't end up being coils
>that are very short compared with their diameter.

Ah, thanks Tom! That makes a lot of sense.

> (Yeah, and I like 1957 prices for cars, houses, gas, bread,
> coffee, ... -- but I like 2011 prices for what you get in consumer
> electronics, for sure!)

There were scans on alt.binaries.pictures.radio, I think it was, from the WWII era where Admiral Radio had these futuristic drawings of what the radio and TV of tomorrow would look like, assuring you that's what they'd be bringing you once the war was over and their factories could be put back to such uses: The picture shows a projection screen that looks to be all of 25" or so along with a projector in the center of the couch that's the size of a large dog. So they did have the right idea, just the wrong sense of scale. :-)

---Joel

175. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-05 09:18:22 UTC
From: Tim Wescott <tim@seemywebsite.com>
Message-ID: <592dnebNDIlDYuzQnZ2dnUVZ_v2dnZ2d@web-ster.com>
Source record: 1135

On Thu, 03 Mar 2011 10:15:42 -0800, Joel Koltner wrote:

> "Tim Wescott" <tim@seemywebsite.com> wrote in message
> news:ENKdnYlZCN79s_LQnZ2dnUVZ_s2dnZ2d@web-ster.com...
>> Does Mouser still sell them?
>
> Somewhat surprisingly, yes, they do. (Although of the many hundreds
> they have listed in their system, it's only something like a couple
> dozen they actually have stock of.)
>
>> The point of the IF transformer was twofold: to provide selectivity,
>> and to give a good impedance match between stages. I think there must
>> have been a standard receiver design, as there just seemed to be one
>> choice for each coil -- this in spite of the fact that as soon as you
>> start juggling feedback and/or standing currents, you change the
>> impedances, and therefor the required transformer.
>
> Agreed -- and I additionally suspect that many people who made those
> receivers didn't necessarily understand the design itself that well.
> I.e., if it basically worked and wasn't clearly deaf, it became a
> product -- few if any AM/FM receivers found on the shelves of, e.g.,
> Sears listed things like their sensitivity, adjacent channel rejection,
> etc. (From the flip side, though, I suppose that's one of the things
> the FCC did: Coordinated frequencies and power levels such that just
> about any radio would work "reasonably" well;

In fact, they did: if you pay attention to the analog TV channels and the radio channels in any one market, you'll find that they're spaced apart by at least one 'dead' channel, while those 'dead' channels are 'live' in adjoining broadcast areas.

For instance, in Portland, Oregon the TV channels were 2, 6, 8, 10 and 12, while Salem got the odd-numbers.

> it's a very different
> market from, say, amateur radio where there's little or no coordination
> of these parameters and the customer may very well want to try to
> listen to some QRP station on 14.15MHz while there's some big gun
> blasting away on 14.14MHz...)

A different problem, too: broadcast implies a few transmitters and lots of receivers, so you hold down system costs by skewing the requirements very heavily toward cheap receivers, even at the cost of efficient bandwidth usage.

Contrast that with pre-broadcast satellite TV, where you save some bucks
in the satellites, at the cost of needing big dishes and sensitive
receivers. That's OK, because the dishes are few (before they started
getting into the hands of the consumers). Then look at the direct-to-
consumer satellite systems, where the dish is just two feet across, and
you have to assume that the satellite is way more expensive.

>> I think if I were going to design a broadcast-band receiver, I wouldn't
>> just re-do the old schematic from 1960 -- I'd start from a clean sheet
>> of paper, and see where I could go from there.
>
> I agree insofar as the actual design goes, but I like to study these
> older technologies because I think it's all too easy to not realize just
> how good the performance of some of the old designs were (for your new
> design you'd like to start with specs that are hopefully some
> improvement or at least as good as the old ones...), and also because a
> lot of the same *techniques* can be applied to modern designs just as
> well as they could to old ones (e.g., varactor tuning is just an
> evolution of mechanical tuning, neutralization applies just as much to
> BJTs as it does to tubes, etc.).

True, but you need to know where the old techniques aren't going to serve
you well (e.g. the passives involved in neutralizing a transistor stage
to get a few more dB gain cost more than another stage).

>> (Actually, I think the first
>> thing that'd go onto that clean sheet of paper would be an ADC -- I'm a
>> luddite in a lot of ways, but not in how I'd like to see a receiver
>> laid out).
>
> That works, but consider that if you digitize the entire broadcast FM
> band at once (all 20MHz of it), compared to a $20 superhet receiver:
>
> -- Your weak signal sensitivity may be worse, since your dynamic range
> is spread across the entire band rather than just what'll fit through an
> IF filter.
> -- You'll likely suck rather more power from a battery. -- It'll
> probably cost more.
> -- For the channels you can receive well, you'll have infinitely more
> options on being able to reduce noise, change your audio bandwidth,
> recovery stereo, decode RDS, an so on. :-)

Good point. But getting things through an IF filter, _then_ going into
an ADC isn't a bad thing, unless you're trying for the absolute minimum
of power and circuit cost.

--
http://www.wescottdesign.com

176. Re: Some questions on IF transformers

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-05 14:11:02 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <372e6b78-5ec1-4c29-b408-0984b0196bc2@o21g2000prn.googlegroups.com>
Source record: 1136

On Feb 25, 1:44 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com>
wrote:
> "Paul Probert" <paulprob...@sbcglobal.net> wrote in message
>
> news:pvlj38-qv2.ln1@giganews.com...
>
> > On 02/23/2011 06:43 PM, Joel Koltner wrote:
>
> >> 1) The really big 450kHz IF transformers you see in tube sets... why did
> >> they wind the coils in the form of "pancakes" rather than "the usual
> >> way"?
> > They do this to try to keep the self-resonance of the winding up above the
> > operating frequency. By spreading the winding out into series connected
> > pancakes the stray capacitances have a harder time shunting large
> > inductances. You see this kind of construction on RF chokes too.
>
> Ah, clever!
>
> One I was looking at the other day has some fancy weaving involved as well; it
> must have been quite an interesting machine that made them.
>
> Poking around You Tube some I see that winding single-layer (no fancy waving)
> coils is quite doable at home (the Tesla coil guys are quite into it). It's
> pretty slick:http://www.youtube.com/watch?v=N3N-tw6OEXw.
>
> Thanks for the help,
> ---Joel

Back as far as the 70's hand operated machines could be purchase for
winding coils. I think I remember seeing them in my old Allied
Electronics catalog.

Jimmie

177. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-05 21:22:56 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <b3155550-aff0-49f1-80e0-de0132ebdf07@o14g2000prb.googlegroups.com>
Source record: 1137

On Mar 2, 5:21 pm, "Bob" <some...@somewhere.com> wrote:
> Looking for any information on an Illumitronx Pi network "PI air dux" , part
> number 1212D6 like power ratings, recommended taps / tube, etc. Looks like
> #12 silver plated wire.
> Not sure of the spelling but it looks to be Illumitronx. Google turned up
> nothing.
> Bob
> KB8TL
>
> Yes, I know how to measure or calculate inductance of an air wound coil

It is a 1000 watt coil, that's rated in input power by the way, back
in those days they went by input power, I got's an AirDux coil I
bought on ebay it was mounted on a lucite board that went thru the
middle length wise of the coil, had the 10 meter flat wire coil on the
one end the ten meter coil is rated 1000 watts the ten meter coil was
mounted in a plane 90 degrees from the main coil.
Like if the main coil was north south the ten meter coil was going
east west
The main coil is 12 AWG silver plated wire the spec. sheet that came
with it stated that it was used for 1000 watt input power finals.

178. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-07 07:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1299481501@panix.com>
Source record: 1138
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

179. SEXY HOT GIRLS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-08 15:21:51 UTC
From: sowmya <sowmya9030@gmail.com>
Message-ID: <20aeb43c-dbff-4079-9109-773d0f8ac381@a11g2000pro.googlegroups.com>
Source record: 1139

HOT ARCHANA STILLS
http://karomasti9.blogspot.com/2011/01/archana.html
DEEKSHA SETH HOT WALLPAPERS
http://karomasti9.blogspot.com/2011/01/deeksha-seth.html
KATRINA KAIF HOT VIDEOS&PHOTOS
http://karomasti9.blogspot.com/2011/01/katrina-kaif.html
SAMEERAREDDY HOT BOOBS
http://karomasti9.blogspot.com/2011/01/sameerareddy.html
HOT SEXY ACTRESS
http://karomasti9.blogspot.com/2011/01/hot.html
latest hot sruthi hassan stills
http://karomasti9.blogspot.com/2011/01/shurthihassan-new-stills.html
UNSEEN HOT SEXY PHOTOS
http://karomasti9.blogspot.com/2011/01/never.html

ONLY HOT VIDEOS FOR YOUTH

HOT VIDEOS
http://sexy-rainsongs.blogspot.com/
FUNNY VIDEOS
http://sexy-rainsongs.blogspot.com/p/funny-video.html
TELUGU FUNNY VIDEOS
http://sexy-rainsongs.blogspot.com/p/telugu-funny-videos.html

180. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-10 05:30:53 UTC
From: kb9rqz <marky_kelpstein@ymail.com>
Message-ID: <9bcce650-9d38-4c90-a891-08deb7f35528@t8g2000vbd.googlegroups.com>
Source record: 1140
Cross-posted to: comp.os.os2.advocacy,rec.radio.amateur.homebrew,alt.usenet.kooks,rec.radio.amateur.policy,alt.checkmate

On Mar 5, 9:52 pm, kb9rqz <kb9rqz@gmail.com> wrote:
> On Mar 2, 5:49 pm, "kb9rqz" <kb9rqz@kb9rqz.com> wrote:
>
> > Looking for any information on an Illumitronx Pi network "PI air dux" , part
> > number 1212D6 like power ratings, recommended taps / tube, etc. Looks like
> > #12 silver plated wire.
> > Not sure of the spelling but it looks to be Illumitronx. Google turned up
> > nothing.
> > Bob
> > KB8TL
>
> > Yes, I know how to measure or calculate inductance of an air wound coil
>
> It is a 1000 watt coil, that's rated in input power by the way, back
> in those days they went by input power, I got's an AirDux coil I
> bought on ebay it was mounted on a lucite board that went thru the
> middle length wise of the coil, had the 10 meter flat wire coil on the
> one end the ten meter coil is rated 1000 watts the ten meter coil was
> mounted in a plane 90 degrees from the main coil.
> Like if the main coil was north south the ten meter coil was going
> east west
> The main coil is 12 AWG silver plated wire the spec. sheet that came
> with it stated that it was used for 1000 watt input power finals.

Indeed it sounds like you could use some tips from teh kosher ham:
http://ipunce2.blogspot.com

181. gey kelp

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-10 21:05:36 UTC
From: kb9rqz <mark@kb9rqz.com>
Message-ID: <21de8cdf-e58f-41c9-b95f-f11160d2ee04@s18g2000prg.googlegroups.com>
Source record: 1141
Cross-posted to: comp.os.os2.advocacy,rec.radio.amateur.homebrew,alt.usenet.kooks,rec.radio.amateur.policy,alt.checkmate

On Mar 10, 12:30 am, kb9rqz <marky_kelpst...@ymail.com> wrote:
> On Mar 5, 9:52 pm, kb9rqz <kb9...@gmail.com> wrote:
>

182. Re: Old PI network coil

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-11 03:47:57 UTC
From: "tholen@antispam.ham" <tholen@ifa.hawaii.edu>
Message-ID: <91964de4-38bf-47b8-98ea-972fc7fa9e72@w7g2000pre.googlegroups.com>
Source record: 1142
Cross-posted to: comp.os.os2.advocacy,rec.radio.amateur.homebrew,alt.usenet.kooks,rec.radio.amateur.policy,alt.checkmate

kb9rqz <marky_kelpstein@ymail.com> writes:

209> Newsgroups:
comp.os.os2.advocacy,rec.radio.amateur.homebrew,alt.usenet.kooks,rec.radio.amateur.policy,
alt.checkmate

209> Indeed it sounds like you could use some tips from teh kosher
ham:

What do those tips have to do with OS/2, kb9rqz?

183. Re: gey kelp

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-11 03:48:37 UTC
From: "tholen@antispam.ham" <tholen@ifa.hawaii.edu>
Message-ID: <46905b7e-db21-491b-a69a-8a9b753b9deb@i39g2000prd.googlegroups.com>
Source record: 1143
Cross-posted to: comp.os.os2.advocacy,rec.radio.amateur.homebrew,alt.usenet.kooks,rec.radio.amateur.policy,alt.checkmate

kb9rqz <mark@kb9rqz.com> writes:

210> Newsgroups:
comp.os.os2.advocacy,rec.radio.amateur.homebrew,alt.usenet.kooks,rec.radio.amateur.policy,
alt.checkmate

210> Message-ID: <21de8cdf-e58f-41c9-b95f-
f11160d2ee04@s18g2000prg.googlegroups.com>

What does your empty response have to do with OS/2, kb9rqz?

184. RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-11 21:04:36 UTC
From: garyr <garyr@fidalgo.net>
Message-ID: <ile30e$46k$1@speranza.aioe.org>
Source record: 1144

Anyone know what the bandwidth of a 50 baud RTTY signal might be?

185. Re: RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-11 21:29:04 UTC
From: jimp@specsol.spam.sux.com
Message-ID: <0qgq48-u02.ln1@mail.specsol.com>
Source record: 1145

garyr <garyr@fidalgo.net> wrote:
> Anyone know what the bandwidth of a 50 baud RTTY signal might be?

It depends on the shift, but at the 170 Hz standard it is about 300 Hz
and the amateur standard 45.45 baud at 170 hz is about 250 Hz.

--
Jim Pennino

Remove .spam.sux to reply.

186. Re: RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-11 21:46:31 UTC
From: Ralph Mowery <rmowery28146@earthlink.net>
Message-ID: <nZWdnYlbe5uoBefQnZ2dnUVZ_qOdnZ2d@earthlink.com>
Source record: 1146

The bandwidth will depend on what shift is being used. Some of the more common shifts are 170,425, and 850 Hz.

The actual bandwidth needed to receive them will be slightly larger. Something like 200 for the 170 Hz shift and 1200 for the 850 Hz shift. The transmitted bandwidth will be larger yet.

It is similar to an FM signal, it theory it is infinite,but in practice it can be much less.

"garyr" <garyr@fidalgo.net> wrote in message
news:ile30e$46k$1@speranza.aioe.org...
> Anyone know what the bandwidth of a 50 baud RTTY signal might be?
>

187. Re: RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 09:00:42 UTC
From: Piero Soldi <piero.soldi@libero.it>
Message-ID: <ilfco1qco1@speranza.aioe.org>
Source record: 1147

"Ralph Mowery" <rmowery28146@earthlink.net> ha scritto nel messaggio
news:nZWdnYlbe5uoBefQnZ2dnUVZ_qOdnZ2d@earthlink.com...
> The bandwidth will depend on what shift is being used. Some of the more
> common shifts are 170,425, and 850 Hz.
>
> The actual bandwidth needed to receive them will be slightly larger.
> Something like 200 for the 170 Hz shift and 1200 for the 850 Hz shift.
> The transmitted bandwidth will be larger yet.
>
> It is similar to an FM signal, it theory it is infinite,but in practice it
> can be much less.
>
>
>
> "garyr" <garyr@fidalgo.net> wrote in message
> news:ile30e$46k$1@speranza.aioe.org...
>> Anyone know what the bandwidth of a 50 baud RTTY signal might be?
>>
>
>

Consider also the group delay of receiving filter...
with narrow Butterworth or Chebyshev crystal filters, group delay is big,
distorting
RTTY , CW or other digital signals, and ultimate result is error in
decoding.

So bandwidth need to be more than necessary. A Gaussian filter is better for
group delay,
but is worse for steepness.

73, Piero.

188. VIDEOS FOR HOT GUYS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 15:32:51 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <a360f31b-02fa-418f-8f31-e810d666ccd2@z27g2000prz.googlegroups.com>
Source record: 1148

hot sexy videos
http://sexy-rainsongs.blogspot.com/
hot keerthi chawla
http://sexy-rainsongs.blogspot.com/2011/03/keerthi-chawla.html
katrina kaif hot
http://sexy-rainsongs.blogspot.com/2011/03/katrina-kaif.html
sexy charmi
http://sexy-rainsongs.blogspot.com/2011/03/charmi.html
hot deepika padukone
http://sexy-rainsongs.blogspot.com/2011/03/deepika-padukone.html
asin sexy videos
http://sexy-rainsongs.blogspot.com/2011/03/asin.html
beautiful tamil actress
http://sexy-rainsongs.blogspot.com/2011/03/tamil-actress.html
FOR FUNNY VIDEOS
http://sexy-rainsongs.blogspot.com/p/funny-video.html

189. Re: RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 17:25:52 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1103121223270.28572@darkstar.example.net>
Source record: 1149

On Sat, 12 Mar 2011, Piero Soldi wrote:

> "Ralph Mowery" <rmowery28146@earthlink.net> ha scritto nel messaggio
> news:nZWdnYlbe5uoBefQnZ2dnUVZ_qOdnZ2d@earthlink.com...
>> The bandwidth will depend on what shift is being used. Some of the more
>> common shifts are 170,425, and 850 Hz.
>>
>> The actual bandwidth needed to receive them will be slightly larger.
>> Something like 200 for the 170 Hz shift and 1200 for the 850 Hz shift.
>> The transmitted bandwidth will be larger yet.
>>
>> It is similar to an FM signal, it theory it is infinite,but in practice it
>> can be much less.
>>
>>
>>
>> "garyr" <garyr@fidalgo.net> wrote in message
>> news:ile30e$46k$1@speranza.aioe.org...
>>> Anyone know what the bandwidth of a 50 baud RTTY signal might be?
>>>
>>
>>
>
> Consider also the group delay of receiving filter...
> with narrow Butterworth or Chebyshev crystal filters, group delay is big,
> distorting
> RTTY , CW or other digital signals, and ultimate result is error in
> decoding.
>
> So bandwidth need to be more than necessary. A Gaussian filter is better for
> group delay,
> but is worse for steepness.
>

I figured the original question was the bandwidth the signal took, rather
than the bandwidth of the receiver.

I didn't think anyone went for a receiver filter to match the RTTY signal.
Well maybe the hardcore RTTYers. But generally one used a reasonable
filter in the receiver, and counted on the audio filters in the
demodulator. There again, relative few decoded at the IF, but even then
the articles I've seen didn't go for any special narrow filters for RTTY.

Michael VE2BVW

190. FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 18:48:14 UTC
From: Howard James <h.james.james@btinternet.com>
Message-ID: <b7WdneMQrN1qIubQnZ2dnUVZ7qWdnZ2d@bt.com>
Source record: 1150

I'm building a 2 metre Rx with an IF of 10.7 MHz. It will be used for FM. I have three crystal filters with the following bandwidths: 15 KHz; +/- 6 KHz and +/- 3.75 KHz. Which one should I use?
Thanks. Howard.

191. Re: RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 18:52:16 UTC
From: garyr <garyr@fidalgo.net>
Message-ID: <ilgfe6$ft5$1@speranza.aioe.org>
Source record: 1001

Thanks for all your replies. I should have explained the reason for my question. I've become interested in SID (Sudden Ionosphere Disturbance) monitoring: http://www.aavso.org/solar-sids
This basically involves monitoring the signal strength of various VLF stations that transmit a 50-baud RTTY signal. Knowing nothing about the spectrum of these signals I build a receiver that has a bandwidth of about 200 Hz and it works reasonably well on one station that transmits on 21.4 KHz. I would like to use it to also monitor a signal on 25.2 KHz. However, I happen to live about 50 miles from a 500 KW station that transmits on 24.8 KHz and that signal swamps everything within 600 to 800 Hz. So I thought a narrow bandwidth might be better and was about to start construction of one when I learned the nature of the transmissions so I thought I had better get some information on the actual bandwidths involved. Hence my query.

I would appreciate your comments regarding the design of my VLF rig: The antenna is a shielded, tuned loop www.febo.com/time-frerq/wwvb/antenna. The receiver is a direct-conversion type. I use a FST3125 quad FET bus switch as a mixer with the LO derived from a DDS source. The mixer output is amplified (60 dB) and fed to a 5-pole 120 Hz Butterworth LP which also provides about 27 dB of gain. The filter output is rectified and integrated (5.4 sec TC) and is the input to the ADC on a microprocessor (on a separate board) that collects and stores the data for later download to a PC. The construction is a mixture of through-hole and surface-mount parts on a two-sided PC board. Is it possible that I have a shielding problem when tuned near the nearby station? Is it likely that I would have better results if my receiver was in a shielded enclosure?

Thanks in advance for your coments and advice.
Gary Richardson, AA7VM

"garyr" <garyr@fidalgo.net> wrote in message
news:ile30e$46k$1@speranza.aioe.org...
> Anyone know what the bandwidth of a 50 baud RTTY signal might be?
>

192. Re: FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 19:36:47 UTC
From: Tim Wescott <tim@seemywebsite.com>
Message-ID: <JNKdnUVr-sPSVubQnZ2dnUVZ_sGdnZ2d@web-ster.com>
Source record: 1002

On Sat, 12 Mar 2011 18:48:14 +0000, Howard James wrote:

> I'm building a 2 metre Rx with an IF of 10.7 MHz. It will be used for
> FM. I have three crystal filters with the following bandwidths: 15 KHz;
> +/- 6 KHz and +/- 3.75 KHz. Which one should I use? Thanks. Howard.

You mean 15kHz, 12kHz and 7.5kHz. You probably want 12kHz, unless your
channel spacing is really narrow.

FM bandwidth is calculated as 2 * (signal bandwidth + deviation), but for
the life of me I don't know what the deviation is supposed to be for
amateur narrow band FM!

--
http://www.wescottdesign.com

193. Re: FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-12 20:21:05 UTC
From: Ralph Mowery <rmowery28146@earthlink.net>
Message-ID: <85SdnekGQZYwSObQnZ2dnUVZ_v2dnZ2d@earthlink.com>
Source record: 1003

I would think the 15 KHz filter. The amateur deviation is normally 5 KHz.
for VHF and above. There is a push for going to 2.5 and closer spacing for
repeaters.

"Tim Wescott" <tim@seemywebsite.com> wrote in message
news:JNKdnUVr-sPSVubQnZ2dnUVZ_sGdnZ2d@web-ster.com...
> On Sat, 12 Mar 2011 18:48:14 +0000, Howard James wrote:
>
>> I'm building a 2 metre Rx with an IF of 10.7 MHz. It will be used for
>> FM. I have three crystal filters with the following bandwidths: 15 KHz;
>> +/- 6 KHz and +/- 3.75 KHz. Which one should I use? Thanks. Howard.
>
> You mean 15kHz, 12kHz and 7.5kHz. You probably want 12kHz, unless your
> channel spacing is really narrow.
>
> FM bandwidth is calculated as 2 * (signal bandwidth + deviation), but for
> the life of me I don't know what the deviation is supposed to be for
> amateur narrow band FM!
>
> --
> http://www.wescottdesign.com

194. Re: RTTY bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-13 08:10:43 UTC
From: Piero Soldi <piero.soldi@libero.it>
Message-ID: <7__ep.5824$%g.8488@twister1.libero.it>
Source record: 1004

```
Il 12/03/2011 18.25, Michael Black ha scritto:
> On Sat, 12 Mar 2011, Piero Soldi wrote:
>
>> "Ralph Mowery" <rmowery28146@earthlink.net> ha scritto nel messaggio
>> news:nZWdnYlbe5uoBefQnZ2dnUVZ_qOdnZ2d@earthlink.com...
>>> The bandwidth will depend on what shift is being used. Some of the more
>>> common shifts are 170,425, and 850 Hz.
>>>
>>> The actual bandwidth needed to receive them will be slightly larger.
>>> Something like 200 for the 170 Hz shift and 1200 for the 850 Hz shift.
>>> The transmitted bandwidth will be larger yet.
>>>
>>> It is similar to an FM signal, it theory it is infinite,but in
>>> practice it
>>> can be much less.
>>>
>>>
>>>
>>> "garyr" <garyr@fidalgo.net> wrote in message
>>> news:ile30e$46k$1@speranza.aioe.org...
>>>> Anyone know what the bandwidth of a 50 baud RTTY signal might be?
>>>>
>>>
>>>
>>
>> Consider also the group delay of receiving filter...
>> with narrow Butterworth or Chebyshev crystal filters, group delay is big,
>> distorting
>> RTTY , CW or other digital signals, and ultimate result is error in
>> decoding.
>>
>> So bandwidth need to be more than necessary. A Gaussian filter is
>> better for
>> group delay,
>> but is worse for steepness.
>>
>
> I figured the original question was the bandwidth the signal took,
> rather than the bandwidth of the receiver.
>
> I didn't think anyone went for a receiver filter to match the RTTY signal.
> Well maybe the hardcore RTTYers. But generally one used a reasonable
> filter in the receiver, and counted on the audio filters in the
> demodulator. There again, relative few decoded at the IF, but even then
```

> the articles I've seen didn't go for any special narrow filters for RTTY.
>
> Michael VE2BVW

Hi Michael,
i was an hardcore RTTYer a lot of years ago... :-)

I've used Teletype Corp (now IBM) TG7, Kleinschmidt TT100,
Olivetti T2, Siemens ??? and after, first attempts of software
decoders.

Yes, normally you use a CW filter to receive RTTY, ie: 500/600 Hz BW for
170 Hz shift so the group delay is not problematic if rf tones are
centered in passband of filter (stay away from edges).

Cheers,
Piero I5SPO

195. Re: FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-13 10:55:58 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <b08b3c31-907d-4277-9bf2-f87e43e00788@x8g2000prh.googlegroups.com>
Source record: 1005

On Mar 12, 1:48 pm, "Howard James" <h.james.ja...@btinternet.com>
wrote:
> I'm building a 2 metre Rx with an IF of 10.7 MHz. It will be used for FM. I
> have three crystal filters with the following bandwidths: 15 KHz; +/- 6 KHz
> and +/- 3.75 KHz. Which one should I use?
> Thanks. Howard.

Hey OT:
In ITU region 1 you use +/- 3.75Khz. If you are across the pond then
use +/- 6Khz.
Since they spell metre that way across the pond I think you are going
to be using +/- 6Khz

73 OT
de n8zu

196. My homebrew 2m FM rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-13 12:38:09 UTC
From: vu2nan <vu2nan.7c2b098@radiobanter.com>
Message-ID: <vu2nan.7c2b098@radiobanter.com>
Source record: 1006

Please check out at

http://nandustips.blogspot.com/2011/03/blog-post.html

73

Nandu.

--
vu2nan

197. Re: FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-13 17:26:18 UTC
From: disharp@swbell.net
Message-ID: <qfvpn6h97uii01flqcpcuaomoupbor3h3b@4ax.com>
Source record: 1007

Most 2 meter rigs start clipping around 5 KC.

On Sat, 12 Mar 2011 13:36:47 -0600, Tim Wescott <tim@seemywebsite.com>
wrote:

>On Sat, 12 Mar 2011 18:48:14 +0000, Howard James wrote:
>
>> I'm building a 2 metre Rx with an IF of 10.7 MHz. It will be used for
>> FM. I have three crystal filters with the following bandwidths: 15 KHz;
>> +/- 6 KHz and +/- 3.75 KHz. Which one should I use? Thanks. Howard.
>
>You mean 15kHz, 12kHz and 7.5kHz. You probably want 12kHz, unless your
>channel spacing is really narrow.
>
>FM bandwidth is calculated as 2 * (signal bandwidth + deviation), but for
>the life of me I don't know what the deviation is supposed to be for
>amateur narrow band FM!

198. Re: My homebrew 2m FM rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-13 19:33:55 UTC
From: Tim Wescott <tim@seemywebsite.com>
Message-ID: <jaCdnS42Yvm-geDQnZ2dnUVZ_h2dnZ2d@web-ster.com>
Source record: 1008

On Sun, 13 Mar 2011 12:38:09 +0000, vu2nan wrote:

> Please check out at
>
> http://nandustips.blogspot.com/2011/03/blog-post.html

Excellent job. I'm particularly impressed by your willingness to grind your own crystals. In the US and Europe we have it easy -- there are custom crystal grinding companies that'll sell one-off crystals (but they're spendy). I'm not sure if such things are available in your part of the world or not.

--
http://www.wescottdesign.com

199. Re: My homebrew 2m FM rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-13 23:35:27 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1103131929230.31135@darkstar.example.net>
Source record: 1009

On Sun, 13 Mar 2011, Tim Wescott wrote:

> On Sun, 13 Mar 2011 12:38:09 +0000, vu2nan wrote:
>
>> Please check out at
>>
>> http://nandustips.blogspot.com/2011/03/blog-post.html
>
> Excellent job. I'm particularly impressed by your willingness to grind
> your own crystals. In the US and Europe we have it easy -- there are
> custom crystal grinding companies that'll sell one-off crystals (but
> they're spendy). I'm not sure if such things are available in your part
> of the world or not.
>
No, a lot of the crystal lattice filter building required grinding.
They'd start with surplus FT-243 crystals, and unless they were really
lucky (like the early ones down at 455KHz), they'd have to grind a bit.
The mid-sixties ARRL sideband manual has an article or two about crystal
grinding, for that reason. There was even one guy in Manila who had a
series of direct conversion SSB transceivers (he was using them on
fixed channels, so he just had filters on the channel) where he described
opening up FC/6 holders to alter the frequency a tad.

One reason ladder filters became the mainstay for crystal filter building
(well actually it took a while since they were described in Radcomm
in the seventies, but it was about the mid-eighties before there was lots
of activity in that area in North America, coinciding with the move back
to superhet building rather than direct conversion receivers) was that
since the crystals all had to be on the same frequency, no grinding was
required. Just pick a frequency where you could get enough cheap crystals
to pick out enough for the filter.

Maybe some people ordered custom crystals to make crystal-lattice filters,
but they'd have been the exception.

Michael VE2BVW

200. HOT SEXY VIDEOS CHECK IT FOR KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-18 13:37:50 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <956b085a-6f4d-4925-9228-7d76124b6764@34g2000pru.googlegroups.com>
Source record: 1010

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
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dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

201. Re: FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-20 16:31:00 UTC
From: John W <jrw>
Message-ID: <zbSdnXmhsMRfthvQnZ2dnUVZ7o-dnZ2d@brightview.co.uk>
Source record: 1011

.... Since they spell metre that way across the pond I think you are going to be using +/- 6Khz...

It depends on what kind of metre!

5kHz is the norm.

JOHN

202. Re: FM Bandwidth

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-21 20:50:59 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <f221fa88-7f89-40c1-b408-f4c94489aa49@k7g2000yqj.googlegroups.com>
Source record: 1012

On Mar 20, 12:31 pm, "John W" <jrw[no-spam-today-thank-you]@gmx.co.uk>
wrote:
> .... Since they spell metre that way across the pond I think you are going
> to be using +/- 6Khz...
>
> It depends on what kind of metre!
>
> 5kHz is the norm.
>
> JOHN

Hey OM:
That may be so, maybe you should looky at a Kenwood TM261EJ, designed
for the European market, it has a 20Khz channel spacing on 2 metres, I
wonder why? Since 5Khz is the norm BW?

73 OT
de n8zu

203. N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-21 22:35:41 UTC
From: davidmylastname@acm.org
Message-ID: <im8jrtcgm1@frotz.eternal-september.org>
Source record: 1013

I'd like to modify an Arrow OSJ 146/440 to use an N connector instead of SO239. This would require an N-to-3/8"-24 stud. Allen Lowe hasn't heard of such a thing, which is why he doesn't offer that antenna with an N-connector. Does anyone here know if such a beast exists? What would it take to have some of these custom made?

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

204. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-22 05:26:06 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <8aa9171a-6ded-43c8-ad60-f83ddd500958@j35g2000prb.googlegroups.com>
Source record: 1014

On Mar 21, 3:35 pm, davidmylastn...@acm.org (David Griffith) wrote:
> I'd like to modify an Arrow OSJ 146/440 to use an N connector instead of
> SO239. This would require an N-to-3/8"-24 stud. Allen Lowe hasn't
> heard of such a thing, which is why he doesn't offer that antenna with
> an N-connector. Does anyone here know if such a beast exists? What
> would it take to have some of these custom made?
>
> --
> David Griffith
> davidmylastn...@acm.org   <--- Put my last name where it belongs

I'm a bit confused about what, exactly, you want... is it something
to go from an N connector "chassis mount" socket's center pin to a
3/8-24 stud? Or some sort of adapter to go between the N series
5/8"-24 thread and a 3/8"-24 thread? A picture would probably be
worth lots of words...

Cheers,
Tom

205. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-22 08:00:34 UTC
From: davidmylastname@acm.org
Message-ID: <im9kv2$1o5$1@frotz.eternal-september.org>
Source record: 1015

K7ITM <k7itm@msn.com> wrote:
> On Mar 21, 3:35 pm, davidmylastn...@acm.org (David Griffith) wrote:
>> I'd like to modify an Arrow OSJ 146/440 to use an N connector instead of
>> SO239. This would require an N-to-3/8"-24 stud. Allen Lowe hasn't
>> heard of such a thing, which is why he doesn't offer that antenna with
>> an N-connector. Does anyone here know if such a beast exists? What
>> would it take to have some of these custom made?

> I'm a bit confused about what, exactly, you want... is it something
> to go from an N connector "chassis mount" socket's center pin to a
> 3/8-24 stud? Or some sort of adapter to go between the N series
> 5/8"-24 thread and a 3/8"-24 thread? A picture would probably be
> worth lots of words...

See Ebay item number 380322578383. This device connects the center
conductor of an SO239 to a 3/8"-24 bolt upon which a tall nut is
screwed. To use it, you stick it up through a piece of metal (say, a
bracket), put an insulating washer on that, add the tall nut, then put a
whip adapter in the nut. I want something like that for an N-connector.

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

206. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-22 09:59:16 UTC
From: david <none@nospam.com>
Message-ID: <im9rtkqkr1@news.eternal-september.org>
Source record: 1016

On Tue, 22 Mar 2011 08:00:34 +0000, David Griffith rearranged some
electrons to say:

> K7ITM <k7itm@msn.com> wrote:
>> On Mar 21, 3:35 pm, davidmylastn...@acm.org (David Griffith) wrote:
>>> I'd like to modify an Arrow OSJ 146/440 to use an N connector instead
>>> of SO239. This would require an N-to-3/8"-24 stud. Allen Lowe hasn't
>>> heard of such a thing, which is why he doesn't offer that antenna with
>>> an N-connector. Does anyone here know if such a beast exists? What
>>> would it take to have some of these custom made?
>
>> I'm a bit confused about what, exactly, you want... is it something to
>> go from an N connector "chassis mount" socket's center pin to a 3/8-24
>> stud? Or some sort of adapter to go between the N series 5/8"-24
>> thread and a 3/8"-24 thread? A picture would probably be worth lots of
>> words...
>
> See Ebay item number 380322578383. This device connects the center
> conductor of an SO239 to a 3/8"-24 bolt upon which a tall nut is
> screwed. To use it, you stick it up through a piece of metal (say, a
> bracket), put an insulating washer on that, add the tall nut, then put a
> whip adapter in the nut. I want something like that for an N-connector.

Or just use something like this with the SO-239...

http://www.alliedelec.com/search/productdetail.aspx?SKU=2020635

207. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-22 15:59:51 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <b7e59c52-7b07-4b9f-bb8e-95eb62ad75d8@a11g2000pri.googlegroups.com>
Source record: 1017

On Mar 22, 1:00 am, davidmylastn...@acm.org (David Griffith) wrote:
> K7ITM <k7...@msn.com> wrote:
> > On Mar 21, 3:35 pm, davidmylastn...@acm.org (David Griffith) wrote:
> >> I'd like to modify an Arrow OSJ 146/440 to use an N connector instead of
> >> SO239. This would require an N-to-3/8"-24 stud. Allen Lowe hasn't
> >> heard of such a thing, which is why he doesn't offer that antenna with
> >> an N-connector. Does anyone here know if such a beast exists? What
> >> would it take to have some of these custom made?
> > I'm a bit confused about what, exactly, you want... is it something
> > to go from an N connector "chassis mount" socket's center pin to a
> > 3/8-24 stud? Or some sort of adapter to go between the N series
> > 5/8"-24 thread and a 3/8"-24 thread? A picture would probably be
> > worth lots of words...
>
> See Ebay item number 380322578383. This device connects the center
> conductor of an SO239 to a 3/8"-24 bolt upon which a tall nut is
> screwed. To use it, you stick it up through a piece of metal (say, a
> bracket), put an insulating washer on that, add the tall nut, then put a
> whip adapter in the nut. I want something like that for an N-connector.
>
> --
> David Griffith
> davidmylastn...@acm.org   <--- Put my last name where it belongs

Ah, OK...what the ebay picture looks like to me is an UHF socket whose "rear" pin becomes a male 3/8-24, so a 3/8-24 coupling nut ("long nut") can go over it to clamp the insulating washers to the bracket. The problem I see with that is you couldn't just make a simple 3/8-24 stud and solder it to an N center pin, and expect it would hold up very well with the tension on the solder joint. It would be pretty trivial to make on a lathe I'd be happy to do it, but you probably wouldn't like the price for one. They'd be cheap (relatively) if you wanted 10,000 of them. ;-) Then you also need the insulating washers--maybe you get those from the existing antenna? If what I described in the first sentence is what you're looking for, check CB stores for a 3/8-24 to 1/8" whip adapter...

Seems like a better mechanical arrangement would be to have the whip attached securely to the mounting bracket, and the N connector also securely attached to the mounting bracket, arranged to there's relatively little strain on the center pin of the N connector...

If an SO239 to N adapter works, MPJA has them for about a third the price of Allied... see MPJA # 0522-RC.

Cheers,
Tom

208. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-22 16:29:07 UTC
From: "Geoffrey S. Mendelson" <gsm@mendelson.com>
Message-ID: <slrniohjbl.jq.gsm@cable.mendelson.com>
Source record: 1018

K7ITM wrote:
> Seems like a better mechanical arrangement would be to have the whip
> attached securely to the mounting bracket, and the N connector also
> securely attached to the mounting bracket, arranged to there's
> relatively little strain on the center pin of the N connector...

What seems to me that would work would be some variation on a U shaped bracket:

(pardon the ASCII art)

```
II (antenna)
_____________
| IIII |
| II |NNN
| L-----|NNN
M |M |NNN
M |M |
M |M |
| |
```

N is the N connector
M is the mounting bolt for the bracket.
If the wire is stranded, then there would be little or no stress on the center pin of the N connector.

Or if you want the wire out the bottom,

```
II (antenna)
_____________
| IIII
| II
M|M |
M|M |
| NNNNN
_____NNNNN___
NNNNN
NNNNN
NNNNN
```

73,

Geoff.

--
Geoffrey S. Mendelson N3OWJ/4X1GM
Those who cannot remember the past are condemned to misquote it.

209. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-23 09:20:16 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <e63aa4ec-c710-4974-9ba0-410cfb7fb7e9@17g2000prr.googlegroups.com>
Source record: 1019

Hey OT:

Exactly what I would do almost.

Homebrew my own from a Type N bulkhead chassis mount connector as seen
here:
https://emersonconnectivity.com/OA_MEDIA/catalog/pdf_NConnectorBrochure.pdf

I'd solder a 3/8-24 by 2 inch SS stud onto the center pin.

I'd take a stick of JB weld putty type epoxy and make a form around
the N connector and stud

Thread on a Hex threaded SS or chrome 3/8-24 coupler

Viola' a Type N gumdrop mount.

73 OM
de
n8zu

On Mar 22, 12:29 pm, "Geoffrey S. Mendelson" <g...@mendelson.com>
wrote:
> K7ITM wrote:
> > Seems like a better mechanical arrangement would be to have the whip
> > attached securely to the mounting bracket, and the N connector also
> > securely attached to the mounting bracket, arranged to there's
> > relatively little strain on the center pin of the N connector...
>
> What seems to me that would work would be some variation on a U shaped bracket:
>
> (pardon the ASCII art)
>
>   II (antenna)
>   -------------
> | IIII |
> | II |NNN
> | L-----|NNN
>   M |M |NNN
>   M |M |
>   M |M |
> | |
>
> N is the N connector
> M is the mounting bolt for the bracket.
> If the wire is stranded, then there would be little or no stress on the center
> pin of the N connector.

>
> Or if you want the wire out the bottom,
>
>   II (antenna)
>   _____________
> | IIII
> | II
>   M|M |
>   M|M |
> | NNNNN
>   _____NNNNN___
>   NNNNN
>   NNNNN
>   NNNNN
>
> 73,
>
> Geoff.
>
> --
> Geoffrey S. Mendelson N3OWJ/4X1GM
> Those who cannot remember the past are condemned to misquote it.

210. 2011 HOT UPDATES

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-23 10:46:45 UTC
From: varsha <varsha9030@gmail.com>
Message-ID: <f1f3767c-43eb-4684-b15e-df98e9c7e0f3@i35g2000prd.googlegroups.com>
Source record: 1020

hot sexy videos
http://sexy-rainsongs.blogspot.com/
hot keerthi chawla
http://sexy-rainsongs.blogspot.com/2011/03/keerthi-chawla.html
katrina kaif hot
http://sexy-rainsongs.blogspot.com/2011/03/katrina-kaif.html
sexy charmi
http://sexy-rainsongs.blogspot.com/2011/03/charmi.html
hot deepika padukone
http://sexy-rainsongs.blogspot.com/2011/03/deepika-padukone.html
asin sexy videos
http://sexy-rainsongs.blogspot.com/2011/03/asin.html

211. HOT BEST YOUTH VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-24 04:23:05 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <c1998095-d36b-4c90-a57e-1a80565bfdf8@i35g2000prd.googlegroups.com>
Source record: 1021

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
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SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

212. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-24 18:17:11 UTC
From: davidmylastname@acm.org
Message-ID: <img1r7oth1@frotz.eternal-september.org>
Source record: 1022

raypsi <rborowiak@gmail.com> wrote:
> Hey OT:

> Exactly what I would do almost.

> Homebrew my own from a Type N bulkhead chassis mount connector as seen
> here:
> https://emersonconnectivity.com/OA_MEDIA/catalog/pdf_NConnectorBrochure.pdf

> I'd solder a 3/8-24 by 2 inch SS stud onto the center pin.

> I'd take a stick of JB weld putty type epoxy and make a form around
> the N connector and stud

> Thread on a Hex threaded SS or chrome 3/8-24 coupler

> Viola' a Type N gumdrop mount.

I'm a bit concerned as to how strong such an arrangement would be.

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

213. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-24 20:09:27 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <ee5bfec3-501a-4507-a1af-3744645f9456@o20g2000yqk.googlegroups.com>
Source record: 1023

On Mar 24, 1:17 pm, davidmylastn...@acm.org (David Griffith) wrote:
> raypsi <rborow...@gmail.com> wrote:
> > Hey OT:
> > Exactly what I would do almost.
> > Homebrew my own from a Type N bulkhead chassis mount connector as seen
> > here:
> >https://emersonconnectivity.com/OA_MEDIA/catalog/pdf_NConnectorBrochu...
> > I'd solder a 3/8-24 by 2 inch SS stud onto the center pin.
> > I'd take a stick of JB weld putty type epoxy and make a form around
> > the N connector and stud
> > Thread on a Hex threaded SS or chrome 3/8-24 coupler
> > Viola' a Type N gumdrop mount.
>
> I'm a bit concerned as to how strong such an arrangement would be.
>
> --
> David Griffith
> davidmylastn...@acm.org   <--- Put my last name where it belongs

hey OT:

A 5/8 wave whip is sum like 57 inches in fiberglass, a gum drop mount
is pretty supstantial, my gum drop mount is like 3 inches in diameter
at the base, I used a uni multi step drill bit to cut the 3/4 inch
hole in the trunk of my Taurus. My whip was a 11 meter 1/4 wave
fiberglass whip I cut down to get 5/8 wave on 2 meters, and because
it's fiberglass makes it broadbanded from 144 to 148 Mhz like
1.2-1.1/1 across the band

73 OT
de n8zu

214. WORLD BEST PICS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-25 00:10:06 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <e8825c1b-52ef-47ca-9b30-ef456bf08c93@a11g2000pri.googlegroups.com>
Source record: 1024

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http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
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http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html
pranitha in half saree
http://cinyworld96.blogspot.com/2011/03/pranitha.html
richa saree stills
http://cinyworld96.blogspot.com/2011/03/richa-gangopadyay.html

215. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-25 17:44:21 UTC
From: davidmylastname@acm.org
Message-ID: <imik9l$q4e$1@frotz.eternal-september.org>
Source record: 1025

raypsi <rborowiak@gmail.com> wrote:
> On Mar 24, 1:17 pm, davidmylastn...@acm.org (David Griffith) wrote:
>> raypsi <rborow...@gmail.com> wrote:
>> > Hey OT:
>> > Exactly what I would do almost.
>> > Homebrew my own from a Type N bulkhead chassis mount connector as seen
>> > here:
>> >https://emersonconnectivity.com/OA_MEDIA/catalog/pdf_NConnectorBrochu...
>> > I'd solder a 3/8-24 by 2 inch SS stud onto the center pin.
>> > I'd take a stick of JB weld putty type epoxy and make a form around
>> > the N connector and stud
>> > Thread on a Hex threaded SS or chrome 3/8-24 coupler
>> > Viola' a Type N gumdrop mount.
>>
>> I'm a bit concerned as to how strong such an arrangement would be.

> hey OT:

> A 5/8 wave whip is sum like 57 inches in fiberglass, a gum drop mount
> is pretty supstantial, my gum drop mount is like 3 inches in diameter
> at the base, I used a uni multi step drill bit to cut the 3/4 inch
> hole in the trunk of my Taurus. My whip was a 11 meter 1/4 wave
> fiberglass whip I cut down to get 5/8 wave on 2 meters, and because
> it's fiberglass makes it broadbanded from 144 to 148 Mhz like
> 1.2-1.1/1 across the band

There isn't quite that much room on the base of an Arrow J-pole.

I'm wondering how much loss there would be if I simply add an SO239-to-N
converter and solder the threads together.

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

216. 4075 Solutions manual to Mechanics, Mechanical Engineering and Aerospace Engineering Books

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-26 04:31:58 UTC
From: BERGH <mattosbw1@gmail.com>
Message-ID: <38b10549-6a79-46f2-a7d0-bf56e10c1110@w21g2000yqm.googlegroups.com>
Source record: 1026

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Solution Manual Vector Mechanics for Engineers : Statics (8th Ed., Ferdinand Beer)
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mattosbw1(at)gmail.com

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226. HOT LATEST UPDATED VIDEOS AND SEXY ACTRESES PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-26 05:36:04 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <70f11790-eebb-4869-bcd4-78d7eced36cb@22g2000prx.googlegroups.com>
Source record: 1036

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http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

227. Re: My homebrew 2m FM rig

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-26 12:38:58 UTC
From: Andrew VK3BFA <VK3BFA@wia.org.au>
Message-ID: <0df7f977-50cd-49ef-b560-ba090b7f647f@l2g2000prg.googlegroups.com>
Source record: 1037

On Mar 13, 10:38 pm, vu2nan <vu2nan.7c2b...@radiobanter.com> wrote:
> Please check out at
>
> http://nandustips.blogspot.com/2011/03/blog-post.html
>
> 73
>
> Nandu.
>
> --
> vu2nan

Well done Sir, a nice piece of homebrewing. Indian hams have traditionally held the task of keeping the old arts alive, the "using what you can get" attitude, the scrounging, the recycling, the grinding of xtals with toothpaste because new ones? - forget it! - building and testing with minimal tools and equipment, and producing some nice radios. Now a Days, its called being "Green" <g>
I note that was in 1983 - synthesizer/dds stuff is now getting to the recycled stage, even in very cheap domestic stuff - have you updated the design, can you show us some more of your homebrew gear. Its nice.

73 de VK3BFA Andrew.

228. 4075 Solutions manual and Test banks to Materials Engineering Books

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-26 22:39:41 UTC
From: claudeh <hclaudioblanco@gmail.com>
Message-ID: <69a467f8-f60d-4990-af44-2bcac6958ffd@j9g2000prj.googlegroups.com>
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229. Buy and sell boatanchor era stuff

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-27 02:16:23 UTC
From: Eugene Rippen <soundval@muchstuff.com>
Message-ID: <Xns9EB4C40E6C590er7373@69.16.186.8>
Source record: 1039

For boatanchor stuff.....
On your list of places to buy and sell, for those who are not already on it,
there is baswaplist@muchstuff.com.
baswaplist has existed about 12 years. In the beginning it was baswaplist@foothill.net.
It exists only for buy, sell and swap.
It has always required prices for items offered for sale; unless it is clearly not possible to come up with a market value.
This is a no BS list. No discussions, death notices. tornado warnings, and
most despised, is an apology, particularly an apology for a message that should not have been posted. The "Subject" of no message should begin with
"Re:"
It is clearly my list. I have removed subscribers for what I may deem as cause; but, I make no representations of keeping bad people off of the list. I have never accepted payment for anyone being a subscriber, and have
no plans to do so.
Any messages for administration of the list should go to soundval@muchstuff.com or rippen@muchstuff.com.
I try not to overly butt into the dealings; however, for myself, I try to
use PayPal as often as practical. That offers protection to both buyers and
sellers.
What can be listed? All tube era gear, parts, paper items (books, magazines, catalogs), Generally a posting should not be repeated other than
once more in about a week. Postings of swap meets to come, may be posted twice, but it may not list any unpriced items, unless it is really impossible to find prices for an item.
.
To subscribe: Using your email address in your heading and the Subject: "subscribe" (without quote marks)
send it to baswaplist-request@muchstuff.com. No message necessary. No human is going to read it.
To unsubscribe do the same except say "unsubscribe". See! No BS.

Gene Rippen, WB6SZS
Auburn, CA

230. 19+ HOT VIDEOS AND SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-27 05:32:58 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <987ee9be-3466-4a31-9a44-a0a4f7bc2bdb@22g2000prx.googlegroups.com>
Source record: 1040

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

231. IT`S TOO HOT GURU

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-27 06:54:35 UTC
From: SAILAJA LOVES U <samantha9030@gmail.com>
Message-ID: <aedd49ee-fda3-468c-8639-de9daa8fed38@18g2000prd.googlegroups.com>
Source record: 1041

hot katrina kaif wallpapers
http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
diya mirza sexy photos
http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html
pranitha in half saree
http://cinyworld96.blogspot.com/2011/03/pranitha.html
richa saree stills
http://cinyworld96.blogspot.com/2011/03/richa-gangopadyay.html

232. Heathkit Jr Workshop 35 question

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-28 01:18:33 UTC
From: cowboy67 <cowboy67111@yahoo.com>
Message-ID: <95b41449-92e3-4a8c-82a1-f2aeb9701edc@i14g2000yqe.googlegroups.com>
Source record: 1042

Howdy all,

I picked up a Heathkit Jr workshop 35 at an estate sale and would
like to find out how to operate it. It has 3 spring connections labled
SP3, Com and K3.

I have hooked up a 9V battery...+ to the SP3 and - to the com. what do
I hook up to K3? and am I supposed to get a tone?

Thanks in advance!

233. HOT MASALA HOT VIDEOS SENSSINAL SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-28 01:39:25 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <33080f2c-b17c-4ea3-859b-9598b4e8fc4a@k10g2000prh.googlegroups.com>
Source record: 1043

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

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romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
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hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
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bollywood hot videos
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tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

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oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

234. Re: Heathkit Jr Workshop 35 question

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-28 23:28:27 UTC
From: philo <philo@privacy.not>
Message-ID: <vQ8kp.6120$sj5.4492@newsfe09.iad>
Source record: 1044

On 03/27/2011 08:18 PM, cowboy67 wrote:
> Howdy all,
>
> I picked up a Heathkit Jr workshop 35 at an estate sale and would
> like to find out how to operate it. It has 3 spring connections labled
> SP3, Com and K3.
>
> I have hooked up a 9V battery...+ to the SP3 and - to the com. what do
> I hook up to K3? and am I supposed to get a tone?
>
> Thanks in advance!

You need to manual...\did it come with one?

235. sex medicine & hot videos

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-29 01:09:29 UTC
From: sowmya <sowmya9030@gmail.com>
Message-ID: <ac3e732f-d063-4508-a142-9f8e680d8b93@y31g2000prd.googlegroups.com>
Source record: 1045

how to encourage women hot sex
http://onlyforhealth-muni.blogspot.com/2011/03/medicine-for-women.html
food list for pregnant womens
http://onlyforhealth-muni.blogspot.com/2011/03/pregnants-food-list.html
hormone imbalance for men and women
http://onlyforhealth-muni.blogspot.com/2011/03/hormone-imbalance.html
sex medicine for men
http://onlyforhealth-muni.blogspot.com/2011/03/sildenafil-citrate.html
cure diseases only with water
http://onlyforhealth-muni.blogspot.com/2011/03/water-theraphy.html
antibiotics and there uses
http://onlyforhealth-muni.blogspot.com/2010/12/antibiotics-introduction.html

hot katrina kaif wallpapers
http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
diya mirza sexy photos
http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html

236. JARA COOL HO JAA GURU

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-29 16:24:16 UTC
From: suma <satyamsivam9030@gmail.com>
Message-ID: <53b76e73-07fb-42ca-b0e9-ac1998119d23@w9g2000prg.googlegroups.com>
Source record: 1046

how to encourage women hot sex
http://onlyforhealth-muni.blogspot.com/2011/03/medicine-for-women.html
food list for pregnant womens
http://onlyforhealth-muni.blogspot.com/2011/03/pregnants-food-list.html
hormone imbalance for men and women
http://onlyforhealth-muni.blogspot.com/2011/03/hormone-imbalance.html
sex medicine for men
http://onlyforhealth-muni.blogspot.com/2011/03/sildenafil-citrate.html
cure diseases only with water
http://onlyforhealth-muni.blogspot.com/2011/03/water-theraphy.html
antibiotics and there uses
http://onlyforhealth-muni.blogspot.com/2010/12/antibiotics-introduction.html

hot katrina kaif wallpapers
http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
diya mirza sexy photos
http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html

237. Re: Heathkit Jr Workshop 35 question

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-30 20:55:50 UTC
From: ImmubrernTesT <ImmubrernTesT.7d96e78@radiobanter.com>
Message-ID: <ImmubrernTesT.7d96e78@radiobanter.com>
Source record: 1047

скачать
саундтрек
такси, adobe reader 8.0 rus
скачать, guitar college
скачать

--
ImmubrernTesT

238. hollywood celebrities

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-03-31 06:16:43 UTC
From: agarwal <rsoni215@gmail.com>
Message-ID: <ae1f58c7-fad7-4b17-b508-0d8ad399934d@d26g2000prn.googlegroups.com>
Source record: 1048

www.4ursingle.com

239. HOT ACTRESES HOT VIDEOS DONT MISS YOUTH

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-01 01:44:32 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <bd9cb42c-e33c-4024-9fa8-8043612cd5bf@f31g2000pri.googlegroups.com>
Source record: 1049

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

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http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

240. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-01 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1301637601@panix.com>
Source record: 1050
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

241. get kelp

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-01 20:26:26 UTC
From: kb9rqz <mark@kb9rqz.com>
Message-ID: <f28de0bc-5278-4a3b-9c3d-9f95187c7878@w6g2000vbo.googlegroups.com>
Source record: 951
Cross-posted to:
rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy

```
On Apr 1, 2:00 am, r...@panix.com (rec.radio.amateur.moderated Admin)
wrote:
> Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
```

242. adult hot photos&videos

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-02 04:14:30 UTC
From: sowmya <sowmya9030@gmail.com>
Message-ID: <3fce762a-df19-440f-9a24-dd4a3e121ee3@q12g2000prb.googlegroups.com>
Source record: 952

hot lipkiss
http://hotactressstoyou.blogspot.com/2011/04/lipkiss-2.html
lipkiss in without dress
http://hotactressstoyou.blogspot.com/2011/04/lipkiss.html
seepika padukone sexy back look
http://hotactressstoyou.blogspot.com/2011/04/deepika-padukone.html
sexy katrina kaif
http://hotactressstoyou.blogspot.com/2011/04/katrina-kaif.html
beauty keerthi chawla
http://hotactressstoyou.blogspot.com/2011/04/keerthi-chawla.html
saloni sexy photos
http://hotactressstoyou.blogspot.com/2011/04/saloni.html
deeksha seth in a hot saree
http://hotactressstoyou.blogspot.com/2011/04/deeksha-seth.html
asin hot wallpapers
http://hotactressstoyou.blogspot.com/2011/04/asin.html
ramba in a red dress
http://hotactressstoyou.blogspot.com/2011/04/ramba.html
sexy ilieana is in scert
http://hotactressstoyou.blogspot.com/2011/04/ileana.html

243. SUPER HOT VIDEOS N BULK SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-04 00:08:53 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <8464e131-afa0-4018-bcd0-fa4fad2df2d4@o21g2000prh.googlegroups.com>
Source record: 953

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

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http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

244. Re: hydrometer calculation

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-04 07:53:57 UTC
From: mikea <mikea@mikea.ath.cx>
Message-ID: <l1ao68-itb.ln1@mikea.ath.cx>
Source record: 955

Des <desotuatail@aol.com> wrote in
<863f0e75-3503-4390-94d4-1cff432a2bce@r13g2000yqk.googlegroups.com>:
> Hi I am trying to work out alcohol content. On my hydrometer at the 40
> point it 6.5%. This means if it dropped to 1.000 then the alcohol
> content would be 6.5%. Obviously it would not go that low. With wine
> It does go below this value. I wanted to work out the alcohol content
> for this but the Hydrometer does not display below 5%.
>
> If the Starting value of the wine is 1.080 (12.8%) and it goes below
> 1.000 then the alcohol content would I asume be higher. Is there a
> calculation that I could use. There are websites that can adjust
> readings for temprature adjustment but not a SG to alcohol conversion.

Erm ...

Des, this group is for "homebrewing" of radio equipment (transmitters,
receivers, amplifiers, accessories), and has nothing to do with
fermentation or fermentation products.

--
> >> .... from S-30 to ...
> >Now _there's_ a signal report you don't often enter in your log...
> True... most of us are too busy running away from the electric arcs
> and dodging the ball lightning :-) -- Dave Platt, in r.r.a.h

245. hydrometer calculation

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-04 11:30:44 UTC
From: Des <desotuatail@aol.com>
Message-ID: <863f0e75-3503-4390-94d4-1cff432a2bce@r13g2000yqk.googlegroups.com>
Source record: 954

Hi I am trying to work out alcohol content. On my hydrometer at the 40 point it 6.5%. This means if it dropped to 1.000 then the alcohol content would be 6.5%. Obviously it would not go that low. With wine It does go below this value. I wanted to work out the alcohol content for this but the Hydrometer does not display below 5%.

If the Starting value of the wine is 1.080 (12.8%) and it goes below 1.000 then the alcohol content would I asume be higher. Is there a calculation that I could use. There are websites that can adjust readings for temprature adjustment but not a SG to alcohol conversion.

TIA

Desmond.

246. NimbleSig III Dual DDS RF Analyzer - Design Package Download

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-04 21:03:04 UTC
From: "Thomas M. Alldread" <tma.custom.ee@gmail.com>
Message-ID: <7e613b9e-b8ea-4b53-a4d7-6f32884ad078@a11g2000pro.googlegroups.com>
Source record: 956

Greetings All:

I have entered my NS3 DDS based RF Analyzer design into the Renesas Rulz RX microcontroller design contest. There is a general description with links to three YouTube videos on the Renesas web site that describe the capabilities of the analyzer. There is a pdf download for the full project description illustrated with photos and schematics. There is also a zip download for the public domain source code files all posted at:

http://www.renesasrulz.com/docs/DOC-1747

The firmware is written in C under the Renesas RX Standard Tools compiler which is free for up to 128K of code. The current software size is less than 100K thus there is still room for customization within the unlicensed tools size limit. I hope that in the future someone will find the time to port the code over to the gcc compiler alternative which would circumvent the free tools size limitation.

I have a limited number of bare PCB boards available for the various modules but have not documented them on my website yet.

There are still many more features that could with time be added but I think it is fair to say this project is out-of-the-gate.

73,
Tom, VA7TA

247. Re: NimbleSig III Dual DDS RF Analyzer - Design Package Download

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-05 17:34:42 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <UoImp.5973$of7.4135@en-nntp-15.dc1.easynews.com>
Source record: 957

Looks really nice, Thomas!

I'm curious -- which GUI toolkit does this use?

Thanks,
---Joel Koltner

248. Re: hydrometer calculation

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-05 17:42:09 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <dc37babc-1585-4079-b201-8b9836419b8c@2g2000vbl.googlegroups.com>
Source record: 958

i think he is trying to make vinegar not vino, cause you sure can
attract more flies with oh never mine

On Apr 4, 3:53 am, mikea <mi...@mikea.ath.cx> wrote:
> Des <desotuat...@aol.com> wrote in
<863f0e75-3503-4390-94d4-1cff432a2...@r13g2000yqk.googlegroups.com>:
>
> > Hi I am trying to work out alcohol content. On my hydrometer at the 40
> > point it 6.5%. This means if it dropped to 1.000 then the alcohol
> > content would be 6.5%. Obviously it would not go that low. With wine
> > It does go below this value. I wanted to work out the alcohol content
> > for this but the Hydrometer does not display below 5%.
>
> > If the Starting value of the wine is 1.080 (12.8%) and it goes below
> > 1.000 then the alcohol content would I asume be higher. Is there a
> > calculation that I could use. There are websites that can adjust
> > readings for temprature adjustment but not a SG to alcohol conversion.
>
> Erm ...
>
> Des, this group is for "homebrewing" of radio equipment (transmitters,
> receivers, amplifiers, accessories), and has nothing to do with
> fermentation or fermentation products.
>
> --
>
> > >> .... from S-30 to ...
> > >Now _there's_ a signal report you don't often enter in your log...
> > True... most of us are too busy running away from the electric arcs
> > and dodging the ball lightning :-) -- Dave Platt, in r.r.a.h

249. Re: hydrometer calculation

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-05 18:06:49 UTC
From: Fritz Wuehler <fritz@spamexpire-201104.rodent.frell.theremailer.net>
Message-ID: <86cd38a3abc2f058176f6a1442d9fabb@msgid.frell.theremailer.net>
Source record: 959

> Des, this group is for "homebrewing" of radio equipment (transmitters,
> receivers, amplifiers, accessories), and has nothing to do with
> fermentation or fermentation products.

You said it better (urp) then I could. Damn (urp) drunks! Now where'd I put
that straight key...

250. SEXY GIRLS HOT VIDEOS AND MASTH KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-06 01:42:49 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <4a8006e9-054d-4431-8a8e-bbf9008f8bb5@d26g2000prn.googlegroups.com>
Source record: 960

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
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bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

251. girls sexy

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-06 06:31:57 UTC
From: cherry <sriteja678@gmail.com>
Message-ID: <944a12a3-dcff-428d-856d-a979ff86c199@r4g2000prm.googlegroups.com>
Source record: 961

www.4ursingle.com

252. hot actress

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-06 14:38:46 UTC
From: varsha <varsha9030@gmail.com>
Message-ID: <92a8a8ca-87e3-4f17-b76c-d7ff6c89616b@a17g2000yqn.googlegroups.com>
Source record: 962

hot lipkiss
http://hotactressstoyou.blogspot.com/2011/04/lipkiss-2.html
lipkiss in without dress
http://hotactressstoyou.blogspot.com/2011/04/lipkiss.html
seepika padukone sexy back look
http://hotactressstoyou.blogspot.com/2011/04/deepika-padukone.html
sexy katrina kaif
http://hotactressstoyou.blogspot.com/2011/04/katrina-kaif.html
beauty keerthi chawla
http://hotactressstoyou.blogspot.com/2011/04/keerthi-chawla.html
saloni sexy photos
http://hotactressstoyou.blogspot.com/2011/04/saloni.html
deeksha seth in a hot saree
http://hotactressstoyou.blogspot.com/2011/04/deeksha-seth.html
asin hot wallpapers
http://hotactressstoyou.blogspot.com/2011/04/asin.html
ramba in a red dress
http://hotactressstoyou.blogspot.com/2011/04/ramba.html
sexy ilieana is in scert
http://hotactressstoyou.blogspot.com/2011/04/ileana.html

253. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-07 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1302156301@panix.com>
Source record: 963
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

254. ADULT SEX PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-07 17:09:12 UTC
From: suma <satyamsivam9030@gmail.com>
Message-ID: <c035a3d8-bcbf-4818-af4f-d1d973e9b3f8@f18g2000yqd.googlegroups.com>
Source record: 964

hot lipkiss
http://hotactressstoyou.blogspot.com/2011/04/lipkiss-2.html
lipkiss in without dress
http://hotactressstoyou.blogspot.com/2011/04/lipkiss.html
seepika padukone sexy back look
http://hotactressstoyou.blogspot.com/2011/04/deepika-padukone.html
sexy katrina kaif
http://hotactressstoyou.blogspot.com/2011/04/katrina-kaif.html
beauty keerthi chawla
http://hotactressstoyou.blogspot.com/2011/04/keerthi-chawla.html
saloni sexy photos
http://hotactressstoyou.blogspot.com/2011/04/saloni.html
deeksha seth in a hot saree
http://hotactressstoyou.blogspot.com/2011/04/deeksha-seth.html
asin hot wallpapers
http://hotactressstoyou.blogspot.com/2011/04/asin.html
ramba in a red dress
http://hotactressstoyou.blogspot.com/2011/04/ramba.html
sexy ilieana is in scert
http://hotactressstoyou.blogspot.com/2011/04/ileana.html

255. SEXY HOT VIDEOS AND MORE MASALA PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-08 01:25:50 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <03b3f3b4-bd38-4358-a9ac-785496ab735a@p16g2000yqb.googlegroups.com>
Source record: 965

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

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ALL INTERVIEW QUESTIONS

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http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

256. SolderSmoke Book on Kindle

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-11 09:32:22 UTC
From: "bill.meara@gmail.com" <bill.meara@gmail.com>
Message-ID: <6ade0f95-8f96-4f90-b8c8-566bd829a883@a12g2000yqk.googlegroups.com>
Source record: 966
Cross-posted to: sci.electronics.basics,rec.radio.amateur.homebrew,rec.radio.amateur.boatanchors,sci.astro.amateur

Now on Kindle:
http://www.amazon.com/SolderSmoke-Adventures-Wireless-Electronics-ebook/dp/B004V9FIVW/ref=sr_1_1?ie=UTF8&qid=1302513962&sr=8-1

SolderSmoke is the story of a secret, after-hours life in electronics. Bill Meara started out as a normal kid, from a normal American town. But around the age of 12 he got interested in electronics, and he has never been the same.
To make matters worse, when he got older he became a diplomat. His work has taken him to Panama, Honduras, El Salvador, the Spanish Basque Country, the Dominican Republic, the Azores islands of Portugal, London, and, most recently, Rome. In almost all of these places his addiction to electronics caused him to seek out like-minded radio fiends, to stay up late into the night working on strange projects, and to build embarrassingly large antennas above innocent foreign neighborhoods. SolderSmoke takes you into the basement workshops and electronics parts stores of these exotic foreign places, and lets you experience the life of an expatriate geek. If you are looking for restaurant or hotel recommendations, look elsewhere. But if you need to know where to get an RF choke re-wound in Santo Domingo, SolderSmoke is the book for you.
SolderSmoke is no ordinary memoir. It is a technical memoir. Each chapter contains descriptions of Bill’s struggles to understand (really understand) radio-electronic theory. Why does P=IE? Do holes really flow through transistors? What is a radio wave? How does a frequency mixer produce sum and difference frequencies? If these are the kinds of questions that keep you up at night, this book is for you.
Finally, SolderSmoke is about brotherhood. International, cross-border brotherhood. Through the SolderSmoke podcast we have discovered that all around the world, in countries as different as Sudan and Switzerland, there are geeks just like us, guys with essentially the same story, guys who got interested in radio and electronics as teenagers, and who have stuck with it ever since. Our technical addiction gives us something in common, something that transcends national differences. And our electronics gives us the means to communicate. United by a common interest in radio, and drawn closer together by means of the internet, we form an “International Brotherhood of Electronic Wizards.”

257. Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-12 21:13:10 UTC
From: amdx <amdx@knology.net>
Message-ID: <ac1e3$4da4bffd$18ec6dd7$19329@KNOLOGY.NET>
Source record: 967
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

I have a 22 lb box of QEX magazines from June 1982 to 1994.
About 140 issues. I don't know if they are all there but most are.
If anyone is interested in them, $10 plus shipping from 32405.
Email me if interested.
Mikek

258. HOT VIDEOS N SPECIAL SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 05:03:52 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <e1c90b5c-c550-4ea1-bf77-fb689ebb9882@a19g2000prj.googlegroups.com>
Source record: 968

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

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oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

259. Re: SolderSmoke Book on Kindle

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 08:59:03 UTC
From: "Geoffrey S. Mendelson" <gsm@mendelson.com>
Message-ID: <slrniqape0.ghs.gsm@cable.mendelson.com>
Source record: 969
Cross-posted to: sci.electronics.basics,rec.radio.amateur.homebrew,rec.radio.amateur.boatanchors,sci.astro.amateur

bill.meara@gmail.com wrote:
> Now on Kindle:
> http://www.amazon.com/SolderSmoke-Adventures-Wireless-Electronics-ebook/dp/B004V9FIVW/ref=sr_1_1?ie=UTF8&qid=1302513962&sr=8-1
It's should say FOR SALE. I still have to pay Amazon money for it, which
makes it a for sale ad, just like any other.

I've enjoyed your podcasts, and I might even want to read your book, but IHMO
adversting something on this group is a violation of the charter. If you want to
sell your book, you should post it on the forsale groups as forsale, not
as available on a noncommerical group.

Since I don't have an Amzon account, and I'm not about to spend $12 on it,
is not available for MY kindle.

Available would be more appropriate for a PDF file you could download for
free.

Geoff.

--
Geoffrey S. Mendelson N3OWJ/4X1GM
Those who cannot remember the past are condemned to misquote it.

260. Re: SolderSmoke Book on Kindle

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 11:56:37 UTC
From: amdx <amdx@knology.net>
Message-ID: <d86f2$4da59088$18ec6dd7$4281@KNOLOGY.NET>
Source record: 970
Cross-posted to: sci.electronics.basics,rec.radio.amateur.homebrew,rec.radio.amateur.boatanchors,sci.astro.amateur

"Geoffrey S. Mendelson" <gsm@mendelson.com> wrote in message
news:slrniqape0.ghs.gsm@cable.mendelson.com...
> bill.meara@gmail.com wrote:
>> Now on Kindle:
>> http://www.amazon.com/SolderSmoke-Adventures-Wireless-Electronics-ebook/dp/B004V9FIVW/ref=sr_1_1?ie=UTF8&qid=1302513962&sr=8-1
> It's should say FOR SALE. I still have to pay Amazon money for it, which
> makes it a for sale ad, just like any other.
>
> I've enjoyed your podcasts, and I might even want to read your book, but
> IHMO
> adversting something on this group is a violation of the charter. If you
> want to
> sell your book, you should post it on the forsale groups as forsale, not
> as available on a noncommerical group.
>
> Since I don't have an Amzon account, and I'm not about to spend $12 on
> it,
> is not available for MY kindle.
>
> Available would be more appropriate for a PDF file you could download for
> free.
>
> Geoff.
>

I bought it about a year ago, it's a good read. Go buy the book!
Mikek

261. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 13:14:00 UTC
From: dave <dave@dave.dave>
Message-ID: <4da5a161$0$12494$bd467cd0@news.dslextreme.com>
Source record: 971
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/12/2011 02:13 PM, amdx wrote:
> I have a 22 lb box of QEX magazines from June 1982 to 1994.
> About 140 issues. I don't know if they are all there but most are.
> If anyone is interested in them, $10 plus shipping from 32405.
> Email me if interested.
> Mikek
>
>

Not to pee on your Wheaties, but isn't QEX available online to ARRL
members? Great magazine. Way more meat than QST.

262. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 13:16:55 UTC
From: mikea <mikea@mikea.ath.cx>
Message-ID: <7bkg78-284.ln1@mikea.ath.cx>
Source record: 972
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

In rec.radio.amateur.homebrew dave <dave@dave.dave> wrote:
> On 04/12/2011 02:13 PM, amdx wrote:
>> I have a 22 lb box of QEX magazines from June 1982 to 1994.
>> About 140 issues. I don't know if they are all there but most are.
>> If anyone is interested in them, $10 plus shipping from 32405.
>> Email me if interested.
>> Mikek
>>
>>
>
> Not to pee on your Wheaties, but isn't QEX available online to ARRL
> members? Great magazine. Way more meat than QST.

The _indices_ are; the articles seem always to be unavailable for
reasons that don't make sense.

--
Mike Andrews, W5EGO
mikea@mikea.ath.cx
Tired old sysadmin

263. HOT FOR TENAGERS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 16:49:09 UTC
From: BASS <dalermehandi9247@gmail.com>
Message-ID: <89223e3e-0636-4c1d-a7a8-92b3b4fd9027@34g2000pru.googlegroups.com>
Source record: 973

hot lipkiss
http://hotactressstoyou.blogspot.com/2011/04/lipkiss-2.html
lipkiss in without dress
http://hotactressstoyou.blogspot.com/2011/04/lipkiss.html
seepika padukone sexy back look
http://hotactressstoyou.blogspot.com/2011/04/deepika-padukone.html
sexy katrina kaif
http://hotactressstoyou.blogspot.com/2011/04/katrina-kaif.html
beauty keerthi chawla
http://hotactressstoyou.blogspot.com/2011/04/keerthi-chawla.html
saloni sexy photos
http://hotactressstoyou.blogspot.com/2011/04/saloni.html
deeksha seth in a hot saree
http://hotactressstoyou.blogspot.com/2011/04/deeksha-seth.html
asin hot wallpapers
http://hotactressstoyou.blogspot.com/2011/04/asin.html
ramba in a red dress
http://hotactressstoyou.blogspot.com/2011/04/ramba.html
sexy ilieana is in scert
http://hotactressstoyou.blogspot.com/2011/04/ileana.html

264. Re: SolderSmoke Book on Kindle

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 17:51:49 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <Xolpp.8095$885.2286@en-nntp-14.dc1.easynews.com>
Source record: 974
Cross-posted to: sci.electronics.basics,rec.radio.amateur.homebrew,rec.radio.amateur.boatanchors,sci.astro.amateur

"Geoffrey S. Mendelson" <gsm@mendelson.com> wrote in message
news:slrniqape0.ghs.gsm@cable.mendelson.com...
> bill.meara@gmail.com wrote:
>> Now on Kindle:
>> http://www.amazon.com/SolderSmoke-Adventures-Wireless-Electronics-ebook/dp/B004V9FIVW/ref=sr_1_1?ie=UTF8&qid=1302513962&sr=8-1
> It's should say FOR SALE. I still have to pay Amazon money for it, which
> makes it a for sale ad, just like any other.

I guess to me it's pretty evident that anyone specifically telling you
something is available for the Kindle is looking to sell it, not give it away
(...in which case they could likely just use a PDF).

> Since I don't have an Amzon account, and I'm not about to spend $12 on it,
> is not available for MY kindle.

You can read Kindle books on most smartphones, Android tablets, and Windows
PCs/tablets as well. The DRM is definitely annoying, although for a "fun
read" sort of book like this (as opposed to, e.g., a reference text) I could
see putting up with it.

---Joel

265. Re: SolderSmoke Book on Kindle

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 19:04:07 UTC
From: "Geoffrey S. Mendelson" <gsm@mendelson.com>
Message-ID: <slrniqbsph.srq.gsm@cable.mendelson.com>
Source record: 975
Cross-posted to: sci.electronics.basics,rec.radio.amateur.homebrew,rec.radio.amateur.boatanchors,sci.astro.amateur

Joel Koltner wrote:
>
> I guess to me it's pretty evident that anyone specifically telling you
> something is available for the Kindle is looking to sell it, not give it away
> (...in which case they could likely just use a PDF).

It's not evident at all to me. After all, it was SPAMed to a bunch of
newsgroups that don't allow sale postings.

As for Amazon, aren't there free books for the Kindle there?

>
> You can read Kindle books on most smartphones, Android tablets, and Windows
> PCs/tablets as well. The DRM is definitely annoying, although for a "fun
> read" sort of book like this (as opposed to, e.g., a reference text) I could
> see putting up with it.
>

Maybe he just wanted to use Amazon as the distributer, or had a friend in
the Kindle publishing business?

Geoff.

--
Geoffrey S. Mendelson N3OWJ/4X1GM
Those who cannot remember the past are condemned to misquote it.

266. Re: SolderSmoke Book on Kindle

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 21:56:36 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <q_opp.22211$vb5.6357@en-nntp-12.dc1.easynews.com>
Source record: 976
Cross-posted to: sci.electronics.basics,rec.radio.amateur.homebrew,rec.radio.amateur.boatanchors,sci.astro.amateur

"Geoffrey S. Mendelson" <gsm@mendelson.com> wrote in message
news:slrniqbsph.srq.gsm@cable.mendelson.com...
> After all, it was SPAMed to a bunch of
> newsgroups that don't allow sale postings.

Fair point, strictly speaking I would have to concur with you there, even if I do consider it a pretty minor transgression.

> As for Amazon, aren't there free books for the Kindle there?

Yes, it's just that usually no one bothers to advertise them much due to the lack of potential financial gain and all. :-) (And I also think the 100% free ones have to be physically downloaded via USB or WiFi to your PC -- you can't get them over Amazon's "whispernet," which is just the Sprint cell phone network where Amazon cut a deal with Sprint to deliver books in (near-) real time, the price of this delivery being bundled into the price of the book.)

> Maybe he just wanted to use Amazon as the distributer, or had a friend in
> the Kindle publishing business?

I figured that, like many hams, he was thinking he'd charge an inexpensive price and use the proceeds to buy more radios and antennas and produce more episodes of SolderSmoke. :-)

---Joel

267. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-13 23:12:47 UTC
From: Henry <wa0goz@arrl.net>
Message-ID: <io5ala$6ps$1@dont-email.me>
Source record: 977
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

mikea wrote:
> In rec.radio.amateur.homebrew dave <dave@dave.dave> wrote:
>
>>On 04/12/2011 02:13 PM, amdx wrote:
>>
>>>I have a 22 lb box of QEX magazines from June 1982 to 1994.
>>>About 140 issues. I don't know if they are all there but most are.
>>>If anyone is interested in them, $10 plus shipping from 32405.
>>> Email me if interested.
>>> Mikek
>>>
>>>
>>
>>Not to pee on your Wheaties, but isn't QEX available online to ARRL
>>members? Great magazine. Way more meat than QST.
>
>
> The _indices_ are; the articles seem always to be unavailable for
> reasons that don't make sense.
>
It makes sense if you realize ARRL is a publishing house and not much else.
Why would they give their products away.

Henry WA0GOZ

268. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 00:18:14 UTC
From: John KD5YI <sophi.2@invalid.org>
Message-ID: <io5egg$i7c$1@dont-email.me>
Source record: 978
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/13/2011 8:16 AM, mikea wrote:
> In rec.radio.amateur.homebrew dave<dave@dave.dave> wrote:
>> On 04/12/2011 02:13 PM, amdx wrote:
>>> I have a 22 lb box of QEX magazines from June 1982 to 1994.
>>> About 140 issues. I don't know if they are all there but most are.
>>> If anyone is interested in them, $10 plus shipping from 32405.
>>> Email me if interested.
>>> Mikek
>>>
>>>
>>
>> Not to pee on your Wheaties, but isn't QEX available online to ARRL
>> members? Great magazine. Way more meat than QST.
>
> The _indices_ are; the articles seem always to be unavailable for
> reasons that don't make sense.
>

From the ARRL Web site itself:

http://www.arrl.org/arrl-periodicals-archive-search

"About this database. This database contains an index of articles for QST from 1915 to the present, QEX from 1981 to the present, Ham Radio from 1968 to 1990 and NCJ from 1973 to the present. (Note: Beginning in 1998, each issue of QEX covers two months. This index shows the first month. For example, the index shows the January/February 1998 issue of QEX as Jan 1998 QEX.)"

So, the index covers anything for which I'd be interested. But I am more interested in obtaining past articles. Then there is this:

"QST Archive for Members Only - ARRL Members can access the QST magazine archive online, from December 1915 through December 2007."

Also:

"ARRL Periodicals on CD-ROM - Recent volumes of QST magazine and back issues of QEX, NCJ and Ham Radio magazines are available on CD-ROM."

I guess this means that, if you want to get articles later than 2007, then you must buy the CD.

Thanks for spurring my research on this. Now I will re-evaluate the importance of remaining a member.

John

269. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 00:24:18 UTC
From: dave <dave@dave.dave>
Message-ID: <4da63e7e$0$12458$bd467cd0@news.dslextreme.com>
Source record: 979
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

```
On 04/13/2011 05:18 PM, John KD5YI wrote:
> On 4/13/2011 8:16 AM, mikea wrote:
>> In rec.radio.amateur.homebrew dave<dave@dave.dave> wrote:
>>> On 04/12/2011 02:13 PM, amdx wrote:
>>>> I have a 22 lb box of QEX magazines from June 1982 to 1994.
>>>> About 140 issues. I don't know if they are all there but most are.
>>>> If anyone is interested in them, $10 plus shipping from 32405.
>>>> Email me if interested.
>>>> Mikek
>>>>
>>>>
>>>
>>> Not to pee on your Wheaties, but isn't QEX available online to ARRL
>>> members? Great magazine. Way more meat than QST.
>>
>> The _indices_ are; the articles seem always to be unavailable for
>> reasons that don't make sense.
>>
>
> From the ARRL Web site itself:
>
> http://www.arrl.org/arrl-periodicals-archive-search
>
> "About this database. This database contains an index of articles for
> QST from 1915 to the present, QEX from 1981 to the present, Ham Radio
> from 1968 to 1990 and NCJ from 1973 to the present. (Note: Beginning in
> 1998, each issue of QEX covers two months. This index shows the first
> month. For example, the index shows the January/February 1998 issue of
> QEX as Jan 1998 QEX.)"
>
> So, the index covers anything for which I'd be interested. But I am more
> interested in obtaining past articles. Then there is this:
>
> "QST Archive for Members Only - ARRL Members can access the QST magazine
> archive online, from December 1915 through December 2007."
>
> Also:
>
> "ARRL Periodicals on CD-ROM - Recent volumes of QST magazine and back
> issues of QEX, NCJ and Ham Radio magazines are available on CD-ROM."
>
> I guess this means that, if you want to get articles later than 2007,
> then you must buy the CD.
```

>
> Thanks for spurring my research on this. Now I will re-evaluate the
> importance of remaining a member.
>
> John

I give them money to fight BPL. The rest is ad-supported gravy.

270. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 01:01:02 UTC
From: John KD5YI <sophi.2@invalid.org>
Message-ID: <io5h0n$d1t$1@dont-email.me>
Source record: 980
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/13/2011 7:24 PM, dave wrote:
> On 04/13/2011 05:18 PM, John KD5YI wrote:
>> On 4/13/2011 8:16 AM, mikea wrote:
>>> In rec.radio.amateur.homebrew dave<dave@dave.dave> wrote:
>>>> On 04/12/2011 02:13 PM, amdx wrote:
>>>>> I have a 22 lb box of QEX magazines from June 1982 to 1994.
>>>>> About 140 issues. I don't know if they are all there but most are.
>>>>> If anyone is interested in them, $10 plus shipping from 32405.
>>>>> Email me if interested.
>>>>> Mikek
>>>>>
>>>>>
>>>>
>>>> Not to pee on your Wheaties, but isn't QEX available online to ARRL
>>>> members? Great magazine. Way more meat than QST.
>>>
>>> The _indices_ are; the articles seem always to be unavailable for
>>> reasons that don't make sense.
>>>
>>
>> From the ARRL Web site itself:
>>
>> http://www.arrl.org/arrl-periodicals-archive-search
>>
>> "About this database. This database contains an index of articles for
>> QST from 1915 to the present, QEX from 1981 to the present, Ham Radio
>> from 1968 to 1990 and NCJ from 1973 to the present. (Note: Beginning in
>> 1998, each issue of QEX covers two months. This index shows the first
>> month. For example, the index shows the January/February 1998 issue of
>> QEX as Jan 1998 QEX.)"
>>
>> So, the index covers anything for which I'd be interested. But I am more
>> interested in obtaining past articles. Then there is this:
>>
>> "QST Archive for Members Only - ARRL Members can access the QST magazine
>> archive online, from December 1915 through December 2007."
>>
>> Also:
>>
>> "ARRL Periodicals on CD-ROM - Recent volumes of QST magazine and back
>> issues of QEX, NCJ and Ham Radio magazines are available on CD-ROM."
>>
>> I guess this means that, if you want to get articles later than 2007,

>> then you must buy the CD.
>>
>> Thanks for spurring my research on this. Now I will re-evaluate the
>> importance of remaining a member.
>>
>> John
>
> I give them money to fight BPL. The rest is ad-supported gravy.

I kinda thought that was what I was doing by being a member.

I've been paying:

ARRL membership $39
QEX for members $24

Total $63

If I drop my ARRL membership the cost would be:

ARRL membership $00
QEX non-member $36

Total $36

Almost a 43% reduction in cost to get the cream of publications. Of course, I'd be giving up QST. Somehow, that doesn't bother me too much.

John

271. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 03:16:45 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <Vu2dnd5iHtCC-jvQnZ2dnUVZ_smdnZ2d@bright.net>
Source record: 981
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4-14-2011 01:01, John KD5YI wrote:

>
> I kinda thought that was what I was doing by being a member.
>
> I've been paying:
>
> ARRL membership $39
> QEX for members $24
> ------
> Total $63
>
> If I drop my ARRL membership the cost would be:
>
> ARRL membership $00
> QEX non-member $36
> --------
> Total $36
>
> Almost a 43% reduction in cost to get the cream of publications. Of
> course, I'd be giving up QST. Somehow, that doesn't bother me too much.
>
> John

I re-joined ARRL a few years back after having let my membership lapse because of what I considered a lack of technical articles in QST. I was primarily a member to get QST. After my membership expired again, I got boatloads of mailings from ARRL, begging me to come back and even offering a choice of a book to get me to come back. I mailed back their letters with a hand written note saying I wasn't interested. They asked me why. I said QST isn't nearly technical enough for me anymore. They suggested I get QEX. So I made a "counter-offer"...I asked them to substitute QEX for QST. They basically laughed and said they couldn't do that. Seems it would have saved them some money as QEX only comes out 6 timers per year versus 12 for QST. So, now they get NO money from me...

N0EDV

272. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 03:28:30 UTC
From: arthrnyork@webtv.net
Message-ID: <b145548d-095a-448d-92f7-892632079ddb@w9g2000prg.googlegroups.com>
Source record: 982
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Apr 13, 11:16 pm, Scott <acepilotREM...@bloomer.net> wrote:
> On 4-14-2011 01:01, John KD5YI wrote:
>
>
>
>
>
>
>
> > I kinda thought that was what I was doing by being a member.
>
> > I've been paying:
>
> > ARRL membership $39
> > QEX for members $24
> > ------
> > Total $63
>
> > If I drop my ARRL membership the cost would be:
>
> > ARRL membership $00
> > QEX non-member $36
> > --------
> > Total $36
>
> > Almost a 43% reduction in cost to get the cream of publications. Of
> > course, I'd be giving up QST. Somehow, that doesn't bother me too much.
>
> > John
>
> I re-joined ARRL a few years back after having let my membership lapse
> because of what I considered a lack of technical articles in QST. I was
> primarily a member to get QST. After my membership expired again, I got
> boatloads of mailings from ARRL, begging me to come back and even
> offering a choice of a book to get me to come back. I mailed back their
> letters with a hand written note saying I wasn't interested. They asked
> me why. I said QST isn't nearly technical enough for me anymore. They
> suggested I get QEX. So I made a "counter-offer"...I asked them to
> substitute QEX for QST. They basically laughed and said they couldn't
> do that. Seems it would have saved them some money as QEX only comes
> out 6 timers per year versus 12 for QST. So, now they get NO money from
> me...
>

> N0EDV- Hide quoted text -
>
> - Show quoted text -

That's what libraries were invented for : long time ago . And free .

273. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 12:49:55 UTC
From: Joe from Kokomo <joe@indy.net>
Message-ID: <io6qhjefs3@dont-email.me>
Source record: 983
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/13/2011 9:01 PM, John KD5YI wrote:

> I've been paying:
>
> ARRL membership $39
> QEX for members $24
> ------
> Total $63
>
> If I drop my ARRL membership the cost would be:
>
> ARRL membership $00
> QEX non-member $36
> --------
> Total $36
>
> Almost a 43% reduction in cost to get the cream of publications. Of
> course, I'd be giving up QST. Somehow, that doesn't bother me too much.
>
> John

I would respectfully suggest that you are missing the big picture. It's
not just the magazine(s).

Like them or not, the ARRL is the ONLY organization that supports ham
radio on a national level, going to bat for us before Congress and the FCC.

73,
Joe

274. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 12:51:05 UTC
From: Joe from Kokomo <joe@indy.net>
Message-ID: <io6qjpefs4@dont-email.me>
Source record: 984
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/13/2011 11:16 PM, Scott wrote:

> I re-joined ARRL a few years back after having let my membership lapse
> because of what I considered a lack of technical articles in QST. I was
> primarily a member to get QST. After my membership expired again, I got
> boatloads of mailings from ARRL, begging me to come back and even
> offering a choice of a book to get me to come back. I mailed back their
> letters with a hand written note saying I wasn't interested. They asked
> me why. I said QST isn't nearly technical enough for me anymore. They
> suggested I get QEX. So I made a "counter-offer"...I asked them to
> substitute QEX for QST. They basically laughed and said they couldn't do
> that. Seems it would have saved them some money as QEX only comes out 6
> timers per year versus 12 for QST. So, now they get NO money from me...
>
> N0EDV

I would respectfully suggest that you are missing the big picture. It's
not just the magazine(s).

Like them or not, the ARRL is the ONLY organization that supports ham
radio on a national level, going to bat for us before Congress and the FCC.

73,
Joe

275. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 13:22:19 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <io6seeide3@dont-email.me>
Source record: 985
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

```
On 14/04/2011 10:51 PM, Joe from Kokomo wrote:
> On 4/13/2011 11:16 PM, Scott wrote:
>
>> I re-joined ARRL a few years back after having let my membership lapse
>> because of what I considered a lack of technical articles in QST. I was
>> primarily a member to get QST. After my membership expired again, I got
>> boatloads of mailings from ARRL, begging me to come back and even
>> offering a choice of a book to get me to come back. I mailed back their
>> letters with a hand written note saying I wasn't interested. They asked
>> me why. I said QST isn't nearly technical enough for me anymore. They
>> suggested I get QEX. So I made a "counter-offer"...I asked them to
>> substitute QEX for QST. They basically laughed and said they couldn't do
>> that. Seems it would have saved them some money as QEX only comes out 6
>> timers per year versus 12 for QST. So, now they get NO money from me...
>>
>> N0EDV
>
> I would respectfully suggest that you are missing the big picture. It's
> not just the magazine(s).
>
> Like them or not, the ARRL is the ONLY organization that supports ham
> radio on a national level, going to bat for us before Congress and the FCC.
>
> 73,
> Joe
>
Here in Au the number of members of the representative body (WIA) is
about 1/3 or less , having really bad representation which is expensive
is worse than having none at all

--
X-No-Archive: Yes
```

276. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 15:02:30 UTC
From: dave <dave@dave.dave>
Message-ID: <4da70c50$0$12450$bd467cd0@news.dslextreme.com>
Source record: 986
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/13/2011 06:01 PM, John KD5YI wrote:
> On 4/13/2011 7:24 PM, dave wrote:

>>
>> I give them money to fight BPL. The rest is ad-supported gravy.
>
> I kinda thought that was what I was doing by being a member.
>
> I've been paying:
>
> ARRL membership $39
> QEX for members $24
> ------
> Total $63
>
> If I drop my ARRL membership the cost would be:
>
> ARRL membership $00
> QEX non-member $36
> --------
> Total $36
>
> Almost a 43% reduction in cost to get the cream of publications. Of
> course, I'd be giving up QST. Somehow, that doesn't bother me too much.
>
> John

I like the little ads in back. It's interesting how they market some of
those radios. It reminds me of Sansui stereos.

277. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 15:05:29 UTC
From: dave <dave@dave.dave>
Message-ID: <4da70d03$0$12450$bd467cd0@news.dslextreme.com>
Source record: 987
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/13/2011 08:16 PM, Scott wrote:

>
> I re-joined ARRL a few years back after having let my membership lapse
> because of what I considered a lack of technical articles in QST. I was
> primarily a member to get QST. After my membership expired again, I got
> boatloads of mailings from ARRL, begging me to come back and even
> offering a choice of a book to get me to come back. I mailed back their
> letters with a hand written note saying I wasn't interested. They asked
> me why. I said QST isn't nearly technical enough for me anymore. They
> suggested I get QEX. So I made a "counter-offer"...I asked them to
> substitute QEX for QST. They basically laughed and said they couldn't do
> that. Seems it would have saved them some money as QEX only comes out 6
> timers per year versus 12 for QST. So, now they get NO money from me...
>
> N0EDV

QST is about the ads. QEX appeals to people who are pretty immune to ads.

278. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 17:56:52 UTC
From: John KD5YI <sophi.2@invalid.org>
Message-ID: <io7chg$h3c$1@dont-email.me>
Source record: 988
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/14/2011 7:49 AM, Joe from Kokomo wrote:
> On 4/13/2011 9:01 PM, John KD5YI wrote:
>
>> I've been paying:
>>
>> ARRL membership $39
>> QEX for members $24
>> ------
>> Total $63
>>
>> If I drop my ARRL membership the cost would be:
>>
>> ARRL membership $00
>> QEX non-member $36
>> --------
>> Total $36
>>
>> Almost a 43% reduction in cost to get the cream of publications. Of
>> course, I'd be giving up QST. Somehow, that doesn't bother me too much.
>>
>> John
>
> I would respectfully suggest that you are missing the big picture. It's
> not just the magazine(s).

Well, maybe. I think that the big picture depends on the desires of the
observer.

> Like them or not, the ARRL is the ONLY organization that supports ham
> radio on a national level, going to bat for us before Congress and the FCC.
>
> 73,
> Joe

It is not that I do not like the ARRL. I've been a member for many years.

But, just being a member doesn't pay for that support. Notice from the
cost of membership shown on the ARRL site that only $8 per year is left
over after paying for QST. I'd bet that that $8 barely pays them to
maintain their records and Web site. What they apparently depend on for
money to represent us in Washington is donations. Along with volunteers,
perhaps.

So, does this mean that those of us who do not send in donations are
missing the big picture?

73,
John

279. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 18:05:24 UTC
From: John KD5YI <sophi.2@invalid.org>
Message-ID: <io7d1e$i4a$1@dont-email.me>
Source record: 989
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/14/2011 12:56 PM, John KD5YI wrote:
> On 4/14/2011 7:49 AM, Joe from Kokomo wrote:
>> On 4/13/2011 9:01 PM, John KD5YI wrote:
>>
>>> I've been paying:
>>>
>>> ARRL membership $39
>>> QEX for members $24
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>>> Total $63
>>>
>>> If I drop my ARRL membership the cost would be:
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>>> ARRL membership $00
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>>>
>>> Almost a 43% reduction in cost to get the cream of publications. Of
>>> course, I'd be giving up QST. Somehow, that doesn't bother me too much.
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>>> John
>>
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>> not just the magazine(s).
>
> Well, maybe. I think that the big picture depends on the desires of the
> observer.
>
>> Like them or not, the ARRL is the ONLY organization that supports ham
>> radio on a national level, going to bat for us before Congress and the
>> FCC.
>>
>> 73,
>> Joe
>
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>
> But, just being a member doesn't pay for that support. Notice from the
> cost of membership shown on the ARRL site that only $8 per year is left
> over after paying for QST. I'd bet that that $8 barely pays them to
> maintain their records and Web site. What they apparently depend on for
> money to represent us in Washington is donations. Along with volunteers,

> perhaps.
>
> So, does this mean that those of us who do not send in donations are
> missing the big picture?
>
> 73,
> John

Well, I overlooked the revenue generated by ads in QST. It is probably true that a greater membership means a greater magazine circulation which means ads can garner more because they reach a greater audience.

I just wanted that on record to show I am not advocating discontinuing membership.

73,
John

280. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-14 22:18:05 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <1KadnQfnyKwD7zrQnZ2dnUVZ_jmdnZ2d@bright.net>
Source record: 990
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4-14-2011 12:51, Joe from Kokomo wrote:
> On 4/13/2011 11:16 PM, Scott wrote:
>
>> I re-joined ARRL a few years back after having let my membership lapse
>> because of what I considered a lack of technical articles in QST. I was
>> primarily a member to get QST. After my membership expired again, I got
>> boatloads of mailings from ARRL, begging me to come back and even
>> offering a choice of a book to get me to come back. I mailed back their
>> letters with a hand written note saying I wasn't interested. They asked
>> me why. I said QST isn't nearly technical enough for me anymore. They
>> suggested I get QEX. So I made a "counter-offer"...I asked them to
>> substitute QEX for QST. They basically laughed and said they couldn't do
>> that. Seems it would have saved them some money as QEX only comes out 6
>> timers per year versus 12 for QST. So, now they get NO money from me...
>>
>> N0EDV
>
> I would respectfully suggest that you are missing the big picture. It's
> not just the magazine(s).
>
> Like them or not, the ARRL is the ONLY organization that supports ham
> radio on a national level, going to bat for us before Congress and the FCC.
>
> 73,
> Joe
>

Yes, I understand that very well. However, they should have more money
to spend to fight for ham radio if they would let me substitute the 6
issues per year of QEX versus the 12 issues of QST.

N0EDV

281. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-15 01:47:03 UTC
From: tom <news4792@taring.org>
Message-ID: <4da7a394$0$6702$8046368a@newsreader.iphouse.net>
Source record: 991
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/14/2011 5:18 PM, Scott wrote:
> On 4-14-2011 12:51, Joe from Kokomo wrote:
>>
>> I would respectfully suggest that you are missing the big picture. It's
>> not just the magazine(s).
>>
>> Like them or not, the ARRL is the ONLY organization that supports ham
>> radio on a national level, going to bat for us before Congress and the
>> FCC.
>>
>> 73,
>> Joe
>>
>
> Yes, I understand that very well. However, they should have more money
> to spend to fight for ham radio if they would let me substitute the 6
> issues per year of QEX versus the 12 issues of QST.
>
> N0EDV

I'm basing this opinion on the ARRL budgets that were published in QST about 20 years ago. They currently (still) claim they are there for mainly 2 things, protecting our rights and privileges as operators and adding new operators through education and other methods. Unless they have gotten rid of all the bits they used to have that they didn't need, they are still spending between 2 and 5% of the money they collect on what's supposed to be the main goal.

Where does all the rest go? Read the budgets if they still make them available.

Charlatans then, are they now? I don't know. And don't care. They lost me.

tom
K0TAR

282. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-15 11:36:43 UTC
From: Gaius <bin@127.0.0.1>
Message-ID: <MPG.28123e228b1078799896a2@news.zen.co.uk>
Source record: 992
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

In article <4da7a394$0$6702$8046368a@newsreader.iphouse.net>, news4792
@taring.org says...
>
> I'm basing this opinion on the ARRL budgets that were published in QST
> about 20 years ago. They currently (still) claim they are there for
> mainly 2 things, protecting our rights and privileges as operators and
> adding new operators through education and other methods. Unless they
> have gotten rid of all the bits they used to have that they didn't need,
> they are still spending between 2 and 5% of the money they collect on
> what's supposed to be the main goal.
>
> Where does all the rest go? Read the budgets if they still make them
> available.
>
> Charlatans then, are they now? I don't know. And don't care. They
> lost me.
>
> tom
> K0TAR

Pretty well identical with the UK situation. The RSGB have lost many,
many members for these reasons - including me.

283. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-15 12:27:27 UTC
From: Joe from Kokomo <joe@indy.net>
Message-ID: <io9djf$7dc$2@dont-email.me>
Source record: 993
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

> On 4/14/2011 5:18 PM, Scott wrote:
>> On 4-14-2011 12:51, Joe from Kokomo wrote:
>>>
>>> I would respectfully suggest that you are missing the big picture. It's
>>> not just the magazine(s).
>>>
>>> Like them or not, the ARRL is the ONLY organization that supports ham
>>> radio on a national level, going to bat for us before Congress and the
>>> FCC.
>>>
>>> 73,
>>> Joe
>>>
>>
>> Yes, I understand that very well. However, they should have more money
>> to spend to fight for ham radio if they would let me substitute the 6
>> issues per year of QEX versus the 12 issues of QST.
>>
>> N0EDV

On 4/14/2011 9:47 PM, tom wrote:

> I'm basing this opinion on the ARRL budgets that were published in QST
> about 20 years ago. They currently (still) claim they are there for
> mainly 2 things, protecting our rights and privileges as operators and
> adding new operators through education and other methods. Unless they
> have gotten rid of all the bits they used to have that they didn't need,
> they are still spending between 2 and 5% of the money they collect on
> what's supposed to be the main goal.
>
> Where does all the rest go? Read the budgets if they still make them
> available.
>
> Charlatans then, are they now? I don't know. And don't care. They lost me.
>
> tom
> K0TAR

tom, just my personal opinion, but too bad you left the ARRL and too bad
you don't care.

I don't know about your "2 to 5%" figure, but even if it is true, it's
exactly 2 to 5% more than any other organization is spending to go to
bat for ham radio...and IMHO, we NEED (and should support) a national

organization.

73,
Joe

284. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-15 22:41:18 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <ZMWdnR3xrKgSVDXQnZ2dnUVZ_h-dnZ2d@bright.net>
Source record: 994
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4-15-2011 12:27, Joe from Kokomo wrote:

>
> tom, just my personal opinion, but too bad you left the ARRL and too bad
> you don't care.
>
> I don't know about your "2 to 5%" figure, but even if it is true, it's
> exactly 2 to 5% more than any other organization is spending to go to
> bat for ham radio...and IMHO, we NEED (and should support) a national
> organization.
>
> 73,
> Joe

Why? If every ham just wrote to their elected officials (for the cost
of a stamp, or free by email), they would get the message just as well,
if not better than, if they got 1 letter or a personal visit from the
ARRL "lobbyist".

285. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 00:31:31 UTC
From: Joe from Kokomo <joe@indy.net>
Message-ID: <ioao14bhn3@dont-email.me>
Source record: 995
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

> On 4-15-2011 12:27, Joe from Kokomo wrote:
>
>>
>> tom, just my personal opinion, but too bad you left the ARRL and too bad
>> you don't care.
>>
>> I don't know about your "2 to 5%" figure, but even if it is true, it's
>> exactly 2 to 5% more than any other organization is spending to go to
>> bat for ham radio...and IMHO, we NEED (and should support) a national
>> organization.
>>
>> 73,
>> Joe

On 4/15/2011 6:41 PM, Scott wrote:

> Why? If every ham just wrote to their elected officials (for the cost of
> a stamp, or free by email), they would get the message just as well, if
> not better than, if they got 1 letter or a personal visit from the ARRL
> "lobbyist".

Just my personal opinion, but I believe it is quite naive to think that
if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
just who do you think is going to tell the hams to write and what to
write about?

Finally, it's quite naive to think that a national lobbying organization
is not helpful -- just look at how successful the NRA is.

286. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 00:40:21 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <ioaoho$d8m$1@dont-email.me>
Source record: 996
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/15/2011 08:31 PM, Joe from Kokomo wrote:
>
>> On 4-15-2011 12:27, Joe from Kokomo wrote:
>>
>>>
>>> tom, just my personal opinion, but too bad you left the ARRL and too bad
>>> you don't care.
>>>
>>> I don't know about your "2 to 5%" figure, but even if it is true, it's
>>> exactly 2 to 5% more than any other organization is spending to go to
>>> bat for ham radio...and IMHO, we NEED (and should support) a national
>>> organization.
>>>
>>> 73,
>>> Joe
>
> On 4/15/2011 6:41 PM, Scott wrote:
>
>> Why? If every ham just wrote to their elected officials (for the cost of
>> a stamp, or free by email), they would get the message just as well, if
>> not better than, if they got 1 letter or a personal visit from the ARRL
>> "lobbyist".
>
> Just my personal opinion, but I believe it is quite naive to think that
> if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
> just who do you think is going to tell the hams to write and what to
> write about?
>
> Finally, it's quite naive to think that a national lobbying organization
> is not helpful -- just look at how successful the NRA is.

All of you are also forgetting that the ARRL (for better or worse) is now the 'back bone' of the system that handles testing for ham licenses. Without them it would be almost impossible to find where you can locally take the test to apply for or upgrade your ham ticket. The ARRL also publishes most of the test guide material (though I would be surprised if it wasn't also available on line). Finally they have a good line of excellent technical publications on radio and electronics technology.

Also they DO offer membership without QST, for additional members of a family. Maybe the price of that will give you an idea of what they think the membership itself is worth.

287. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 00:46:12 UTC
From: John KD5YI <sophi.2@invalid.org>
Message-ID: <ioaosvcfp1@dont-email.me>
Source record: 997
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

```
On 4/15/2011 7:40 PM, Kenneth Scharf wrote:
> On 04/15/2011 08:31 PM, Joe from Kokomo wrote:
>>
>>> On 4-15-2011 12:27, Joe from Kokomo wrote:
>>>
>>>>
>>>> tom, just my personal opinion, but too bad you left the ARRL and too
>>>> bad
>>>> you don't care.
>>>>
>>>> I don't know about your "2 to 5%" figure, but even if it is true, it's
>>>> exactly 2 to 5% more than any other organization is spending to go to
>>>> bat for ham radio...and IMHO, we NEED (and should support) a national
>>>> organization.
>>>>
>>>> 73,
>>>> Joe
>>
>> On 4/15/2011 6:41 PM, Scott wrote:
>>
>>> Why? If every ham just wrote to their elected officials (for the cost of
>>> a stamp, or free by email), they would get the message just as well, if
>>> not better than, if they got 1 letter or a personal visit from the ARRL
>>> "lobbyist".
>>
>> Just my personal opinion, but I believe it is quite naive to think that
>> if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
>> just who do you think is going to tell the hams to write and what to
>> write about?
>>
>> Finally, it's quite naive to think that a national lobbying organization
>> is not helpful -- just look at how successful the NRA is.
> All of you are also forgetting that the ARRL (for better or worse) is
> now the 'back bone' of the system that handles testing for ham licenses.
> Without them it would be almost impossible to find where you can locally
> take the test to apply for or upgrade your ham ticket. The ARRL also
> publishes most of the test guide material (though I would be surprised
> if it wasn't also available on line). Finally they have a good line of
> excellent technical publications on radio and electronics technology.
>
> Also they DO offer membership without QST, for additional members of a
> family. Maybe the price of that will give you an idea of what they think
> the membership itself is worth.
```

Yes, and the blind can get a membership without QST for $8, same as a family member without QST. That was where I got my number from in another post in this thread.

Again, I am not suggesting anyone give up their membership in the ARRL.

288. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 01:47:58 UTC
From: tom <news4792@taring.org>
Message-ID: <4da8f54b$0$87584$8046368a@newsreader.iphouse.net>
Source record: 998
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/15/2011 7:27 AM, Joe from Kokomo wrote:
>
> tom, just my personal opinion, but too bad you left the ARRL and too bad
> you don't care.
>
> I don't know about your "2 to 5%" figure, but even if it is true, it's
> exactly 2 to 5% more than any other organization is spending to go to
> bat for ham radio...and IMHO, we NEED (and should support) a national
> organization.
>
> 73,
> Joe

The ARRL seems to have little to do with the most important part of
getting new hams, licensing.

The National VEC page, http://www.ncvec.org, apparently doesn't even
acknowledge the ARRL.

You have to search the site and get to Question Pool 3 to find the first
hint of the ARRL, and it's an email address for WY1O, who seems quite
dedicated and appears several more times. And he's all there is.

So much for making new hams.

tom
K0TAR

289. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 03:13:06 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <ysSdne2O6ZHeIDTQnZ2dnUVZ_gidnZ2d@bright.net>
Source record: 999
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4-16-2011 00:31, Joe from Kokomo wrote:

> On 4/15/2011 6:41 PM, Scott wrote:
>
>> Why? If every ham just wrote to their elected officials (for the cost of
>> a stamp, or free by email), they would get the message just as well, if
>> not better than, if they got 1 letter or a personal visit from the ARRL
>> "lobbyist".
>
> Just my personal opinion, but I believe it is quite naive to think that
> if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
> just who do you think is going to tell the hams to write and what to
> write about?

Well, if hams won't take any initiative to write their Congressmen, then
they probably don't give two craps enough to really care if we lose
bandwidth. All proposed NPRMs are published in the Federal Register and
a simple search on their website for "FCC" will list them.
http://frwebgate.access.gpo.gov/cgi-bin/multidb.cgi

>
> Finally, it's quite naive to think that a national lobbying organization
> is not helpful -- just look at how successful the NRA is.

So, the ARRL is donating how much to political parties?

The NRA has donated a bit over $18 million from 1989-2010. They were
number 39 of the top 140 donors...
39 National Rifle Assn $18,209,746 17%(To Dems) 82% (To Repubs)
THAT'S probably why they are so successful. Money talks, BS Walks...

http://www.opensecrets.org/orgs/list.php

Didn't see the ARRL in the top 140. Searched and didn't find them on
the list at all. #140 donated about $4.7 million over the same period.

If the ARRL is so successful at lobbying, why did BPL go through even
though they begged members to send more money to fight against it and
lost the battle anyway? Remember when the 13cm band used to be
2300-2450 MHz? I do. Remember when the 1.25M band used to be 220-225
MHz. I do. Remember when a lot of foreign countries had no code
requirement for HF and we did? I do.

I'm not saying they aren't worth something, but why won't they give a
guy a choice about which magazine he wants with his membership?
Probably because QEX doesn't have so many ads as QST and they want the

advertisers to get more bang for their buck (understandably, since they
can charge more for ad space based on the number of magazine "subscribers")

290. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 03:21:06 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <LKmdnQhDvKe5ljTQnZ2dnUVZ_tmdnZ2d@bright.net>
Source record: 1000
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4-16-2011 00:40, Kenneth Scharf wrote:

> All of you are also forgetting that the ARRL (for better or worse) is
> now the 'back bone' of the system that handles testing for ham licenses.
> Without them it would be almost impossible to find where you can locally
> take the test to apply for or upgrade your ham ticket.

Don't forget W5YI as a VEC. That's who I'm affiliated with, although
I'm not active with any VEC at present. They list VEs by state, so you
can find a local examiner.
http://www.w5yi.org/exam_locations_ama.php

The ARRL also
> publishes most of the test guide material (though I would be surprised
> if it wasn't also available on line). Finally they have a good line of
> excellent technical publications on radio and electronics technology.

Yes, so I would almost say they are more in the publishing business than
the lobbying business.

>
> Also they DO offer membership without QST, for additional members of a
> family. Maybe the price of that will give you an idea of what they think
> the membership itself is worth.

So, can I just pay for membership and skip QST?

I believe they are required by the IRS to set a "value" on membership if
they are a non-profit. They are a non-profit, aren't they?

291. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 03:36:44 UTC
From: Joe from Kokomo <joe@indy.net>
Message-ID: <iob2sd$df6$2@dont-email.me>
Source record: 901
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

> On 4/15/2011 7:27 AM, Joe from Kokomo wrote:
>>
>> tom, just my personal opinion, but too bad you left the ARRL and too bad
>> you don't care.
>>
>> I don't know about your "2 to 5%" figure, but even if it is true, it's
>> exactly 2 to 5% more than any other organization is spending to go to
>> bat for ham radio...and IMHO, we NEED (and should support) a national
>> organization.
>>
>> 73,
>> Joe

On 4/15/2011 9:47 PM, tom wrote:

> The ARRL seems to have little to do with the most important part of
> getting new hams, licensing.

Huh? It's really not clear what you are saying. Have you visited the
ARRL web site?

Here are some of the sections they have listed relating to developing
new hams under the "Licensing, Education & Training" tab:

*FCC License Info & Forms

ARRL can provide helpful FCC information about licensing
requirements, forms, fees and regulations.

*Getting Licensed

Get the information you need to get started: find a class or
study materials and prepare for your licensing exam. Already licensed?
Take the next step and upgrade.

*Volunteer Examiner Coordinator

The ARRL Volunteer Examiner Coordinator (VEC) offers resources
for finding an exam session, becoming a volunteer examiner and VE Team
support.

*Volunteer Instructors/Mentors

*ARRL Courses & Training

ARRL training materials and online classes have been developed to
help you learn at your own pace.

*FCC License Info & Forms

ARRL can provide helpful FCC information about licensing
requirements, forms, fees and regulations.

*Get on the Air

You've got your license, now what? Find resources to help you set
up your first station, get on the air and have fun! Learn More

Volunteer opportunities, recruitment and unique ways to support
Amateur Radio advocacy.

o Amateur Radio in the Classroom

This sure seems like a lot of stuff for a group that you claim is not
supposed to be interested in beginners.

> The National VEC page, http://www.ncvec.org, apparently doesn't even
> acknowledge the ARRL.

Again, huh? This site is "unto themselves". They don't seem to
acknowledge ANY group except themselves. Sorry, but IMHO, a totally
bogus point.

> So much for making new hams.

One more time...Huh?

They DO have a VE program (I AM one), they have an Educational program
to bring ham radio to kids in the class room, they set up space station
contacts for kids in classrooms, they have a Volunteer Instructor
program to teach people how to be instructors for training new hams,
they have volunteer mentors, almost every article in QST has a
"Hamspeak" section to explain unique ham terms to beginners.

Finally, what makes you think they don't want new hams? It would be in
their best interest and longevity to have more new hams. Why would they
shoot themselves in the foot by not wanting new hams?

The only thing that IS clear to me is that you have not read QST in a
long time, have not been to their web site in a long time and seem to
have a real grudge against them for whatever reason (certainly your
prerogative). But you DO demonstrably have your facts wrong about them
doing nothing to encourage new hams.

I would respectfully suggest that you visit their site, arrl.org, and at
the main page choose the "Licensing, Education and Training" tab to see
just how much they ARE doing to cultivate new hams. (Admittedly a tough
job in the Internet Age, but contrary to what you are saying, they ARE
trying).

73,
Joe

292. HOT SEX BED ROOM VIDEOS AND 200 BEST ACTRESSES PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 05:13:52 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <185f710e-c199-4744-bc7f-df80f5aa3307@k3g2000prl.googlegroups.com>
Source record: 902

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

293. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 05:43:07 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <4679c8f8-0e98-4e9d-9de2-eda72cce5019@u12g2000vbf.googlegroups.com>
Source record: 903
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Apr 12, 5:13 pm, "amdx" <a...@knology.net> wrote:
> I have a 22 lb box of QEX magazines from June 1982 to 1994.
> About 140 issues. I don't know if they are all there but most are.
> If anyone is interested in them, $10 plus shipping from 32405.
> Email me if interested.
> Mikek

Hey OM:
wtf we going to do now they not going to be making Japanese radios'
anymore?

73
den8zu

294. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 05:46:39 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <16993152-bc5d-4f18-b042-1c8ea81536a9@u12g2000vbf.googlegroups.com>
Source record: 904
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Apr 16, 1:43 am, raypsi <rborow...@gmail.com> wrote:
> On Apr 12, 5:13 pm, "amdx" <a...@knology.net> wrote:
>
> > I have a 22 lb box of QEX magazines from June 1982 to 1994.
> > About 140 issues. I don't know if they are all there but most are.
> > If anyone is interested in them, $10 plus shipping from 32405.
> >   Email me if interested.
> >   Mikek
>
> Hey OM:
> wtf we going to do now they not going to be making Japanese radios'
> anymore?
>
> 73

Those jap radio's sure will be hot

73 de n8zu

295. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 05:49:04 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <694527ca-b4db-4826-b3eb-e5169e5f5693@l36g2000vbp.googlegroups.com>
Source record: 905
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

```
On Apr 16, 1:46 am, raypsi <rborow...@gmail.com> wrote:
> On Apr 16, 1:43 am, raypsi <rborow...@gmail.com> wrote:
>
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> > wtf we going to do now they not going to be making Japanese radios'
> > anymore?
>
> > 73
>
> Those jap radio's sure will be hot
>
> 73 de  n8zu

And the radio's that aint hot will be hotter,

de n8zu
```

296. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 05:56:34 UTC
From: John KD5YI <sophi.2@invalid.org>
Message-ID: <iobb2v$ft3$1@dont-email.me>
Source record: 906
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 4/16/2011 12:43 AM, raypsi wrote:
> On Apr 12, 5:13 pm, "amdx"<a...@knology.net> wrote:
>> I have a 22 lb box of QEX magazines from June 1982 to 1994.
>> About 140 issues. I don't know if they are all there but most are.
>> If anyone is interested in them, $10 plus shipping from 32405.
>> Email me if interested.
>> Mikek
>
> Hey OM:
> wtf we going to do now they not going to be making Japanese radios'
> anymore?
>
> 73
> den8zu

QEX is a magazine. They never made radios, Japanese or otherwise.

John

297. Re: Gordon West is my hero

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 12:33:37 UTC
From: dave <dave@dave.dave>
Message-ID: <4da98c69$0$12454$bd467cd0@news.dslextreme.com>
Source record: 907
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

```
On 04/15/2011 08:21 PM, Scott wrote:
> On 4-16-2011 00:40, Kenneth Scharf wrote:
>
>> All of you are also forgetting that the ARRL (for better or worse) is
>> now the 'back bone' of the system that handles testing for ham licenses.
>> Without them it would be almost impossible to find where you can locally
>> take the test to apply for or upgrade your ham ticket.
>
> Don't forget W5YI as a VEC. That's who I'm affiliated with, although I'm
> not active with any VEC at present. They list VEs by state, so you can
> find a local examiner.
> http://www.w5yi.org/exam_locations_ama.php
>

.
```

298. Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 21:17:35 UTC
From: RHF <rhf-newsgroups@pacbell.net>
Message-ID: <bb4721b6-1a69-491e-a769-7f3792e718f6@22g2000prx.googlegroups.com>
Source record: 908
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Apr 15, 8:13 pm, Scott <acepilotREM...@bloomer.net> wrote:
> On 4-16-2011 00:31, Joe from Kokomo wrote:
>
> > On 4/15/2011 6:41 PM, Scott wrote:
>
> >> Why? If every ham just wrote to their elected officials (for the cost of
> >> a stamp, or free by email), they would get the message just as well, if
> >> not better than, if they got 1 letter or a personal visit from the ARRL
> >> "lobbyist".
>
> > Just my personal opinion, but I believe it is quite naive to think that
> > if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
> > just who do you think is going to tell the hams to write and what to
> > write about?
>
> Well, if hams won't take any initiative to write their Congressmen, then
> they probably don't give two craps enough to really care if we lose
> bandwidth. All proposed NPRMs are published in the Federal Register and
> a simple search on their website for "FCC" will list
them.http://frwebgate.access.gpo.gov/cgi-bin/multidb.cgi
>
>
>
> > Finally, it's quite naive to think that a national lobbying organization
> > is not helpful -- just look at how successful the NRA is.
>
> So, the ARRL is donating how much to political parties?
>
> The NRA has donated a bit over $18 million from 1989-2010. They were
> number 39 of the top 140 donors...
> 39 National Rifle Assn $18,209,746   17%(To Dems)   82% (To Repubs)
> THAT'S probably why they are so successful. Money talks, BS Walks...
>
> http://www.opensecrets.org/orgs/list.php
>
> Didn't see the ARRL in the top 140. Searched and didn't find them on
> the list at all. #140 donated about $4.7 million over the same period.
>
> If the ARRL is so successful at lobbying, why did BPL go through even
> though they begged members to send more money to fight against it and
> lost the battle anyway? Remember when the 13cm band used to be
> 2300-2450 MHz? I do. Remember when the 1.25M band used to be 220-225
> MHz. I do. Remember when a lot of foreign countries had no code

> requirement for HF and we did? I do.
>
> I'm not saying they aren't worth something, but why won't they give a
> guy a choice about which magazine he wants with his membership?
> Probably because QEX doesn't have so many ads as QST and they want the
> advertisers to get more bang for their buck (understandably, since they
> can charge more for ad space based on the number of magazine "subscribers")

IF The ARRL want to have a real "Voice" at the Table
in Congress and at the FCC :Then they have to be as
'smart' as the other "Players" in the Washington, DC
Political 'Action' {Power} Game.

Look At Success : Look at the NRA Political Victory
Fund (NRA-PVF) : http://www.nrapvf.org/

You have and build your 'basic' ARRL Membership
-roughly- 155,000 ARRL Members
http://www.arrl.org/membership

+ Plus you have to have and build a supporting
{Independent} "Voice of Amateur Radio" PAC Fund

The ARRL has enough Members who are Lawyers
set-up and make a "Voice of Amateur Radio" PAC
Fund Do-Able and Work-Able -so- Just Do It !

Encourage Each ARRL Member to make a
Matching {Voluntary} Contribution to the
"Voice of Amateur Radio" [VoAR] PAC Fund
-so- Take the 155,000 ARRL Members
-by- $5 = $775,000 VoAR-PAC Fund : Figure about
20% for a Part-Time Lobbyist and leaves around
$1000 in 'political' contributions per Member of Congress
-by- $10 = $1,555,000 VoAR-PAC Fund : Figure about
20% for a Part-Time Lobbyist and leaves around $2000
in 'political' contributions per Member of Congress

? Is Your Amateur [Ham] Radio "Hobby" Worth an
Extra $5 to $10 per Year To You For A Seat At The
Table of Congress and the FCC in Washington, DC ?

Promote the "Voice of Amateur Radio" PAC Fund
to the American Public and the Corporate World
Git Them To Become Sponsors and Underwriters
of the "Voice of Amateur Radio" PAC Fund too.

Then Use the "Voice of Amateur Radio" PAC Fund
Money to Lobby Congress and the FCC to ensure
Fairness and Equal Treatment for Amateur Radio
in Congress and Before the FCC.

It's All Legal & It's All Good - it's very smart too ~ RHF
.
REALITY CHECK : WITH ONLY 155,000 MEMBERS
THE ARRL HAS THREE GOALS :
1st : Build Membership and Increase the Number of Hams
-or-lose-spectrum-and-vanish-from-the-air-waves-
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3rd : Build Membership and Increase the Number of Hams
-or-lose-spectrum-and-vanish-from-the-air-waves-
.
.

299. Re: Cleaning out QEX magazines

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 21:26:53 UTC
From: Bert Hyman <bert@iphouse.com>
Message-ID: <Xns9EC9A751F41EDVeebleFetzer@216.250.188.140>
Source record: 909
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

In news:ysSdne2O6ZHelDTQnZ2dnUVZ_gidnZ2d@bright.net Scott
<acepilotREMOVE@bloomer.net> wrote:

> So, the ARRL is donating how much to political parties?
>
> The NRA has donated a bit over $18 million from 1989-2010. They were
> number 39 of the top 140 donors...

The NRA has spun off an entire "separate" organization to do that, since
the tax status of the basic organization doesn't allow it.

The NRA also has about 4 million members; how many does ARRL have?

http://www.nraila.org/

http://www.arrl.org/political-campaigns-and-the-arrl

--
Bert Hyman W0RSB St. Paul, MN bert@iphouse.com

300. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 22:46:27 UTC
From: MTV <volztexas@comcast.net>
Message-ID: <e%oqp.35367$Rx1.16170@en-nntp-03.dc1.easynews.com>
Source record: 910
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

BPL has NOT "gone through."

The ARRL DOES lobby in D.C. - Chwat & Co., Alexandria,VA
Plus direct HQ access to the FCC commissioners and staff.

Your contributions are regularly requested, plus the most effective,
personal letters to our representatives.

"non-profit" organizations do have restrictions on how money is spent,
e.g. no money to political campaigns, etc.

http://www.arrl.org/regulatory-advocacy

W5MTV

On 4/16/2011 4:17 PM, RHF wrote:
> On Apr 15, 8:13 pm, Scott<acepilotREM...@bloomer.net> wrote:
>> On 4-16-2011 00:31, Joe from Kokomo wrote:
>>
>>> On 4/15/2011 6:41 PM, Scott wrote:
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>>>> Why? If every ham just wrote to their elected officials (for the cost of
>>>> a stamp, or free by email), they would get the message just as well, if
>>>> not better than, if they got 1 letter or a personal visit from the ARRL
>>>> "lobbyist".
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>>> if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
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>> bandwidth. All proposed NPRMs are published in the Federal Register and
>> a simple search on their website for "FCC" will list
them.http://frwebgate.access.gpo.gov/cgi-bin/multidb.cgi
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>>
>>
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>>> is not helpful -- just look at how successful the NRA is.
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>> http://www.opensecrets.org/orgs/list.php
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>> I'm not saying they aren't worth something, but why won't they give a
>> guy a choice about which magazine he wants with his membership?
>> Probably because QEX doesn't have so many ads as QST and they want the
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>> can charge more for ad space based on the number of magazine "subscribers")
>
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> in Congress and at the FCC :Then they have to be as
> 'smart' as the other "Players" in the Washington, DC
> Political 'Action' {Power} Game.
>
> Look At Success : Look at the NRA Political Victory
> Fund (NRA-PVF) : http://www.nrapvf.org/
>
> You have and build your 'basic' ARRL Membership
> -roughly- 155,000 ARRL Members
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>
> + Plus you have to have and build a supporting
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>
> The ARRL has enough Members who are Lawyers
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> $1000 in 'political' contributions per Member of Congress
> -by- $10 = $1,555,000 VoAR-PAC Fund : Figure about
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>
> ? Is Your Amateur [Ham] Radio "Hobby" Worth an
> Extra $5 to $10 per Year To You For A Seat At The
> Table of Congress and the FCC in Washington, DC ?
>
> Promote the "Voice of Amateur Radio" PAC Fund
> to the American Public and the Corporate World
> Git Them To Become Sponsors and Underwriters
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> -or-lose-spectrum-and-vanish-from-the-air-waves-
> .
> .

301. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-16 23:23:05 UTC
From: RHF <rhf-newsgroups@pacbell.net>
Message-ID: <6dda1c90-3270-4add-863f-2dbbf61f76a2@j9g2000prj.googlegroups.com>
Source record: 911
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Apr 16, 3:46 pm, MTV <volzte...@comcast.net> wrote:
- BPL has NOT "gone through."
-
- The ARRL DOES lobby in D.C. - Chwat & Co., Alexandria,VA
- Plus direct HQ access to the FCC commissioners and staff.
-
- Your contributions are regularly requested, plus the most effective,
- personal letters to our representatives.
-
- "non-profit" organizations do have restrictions on how money is
spent,
- e.g. no money to political campaigns, etc.
-
- http://www.arrl.org/regulatory-advocacy
-
- W5MTV

W5MTV --- Hence "Look At {Better} Success" :
Look at the NRA Political Victory
Fund (NRA-PVF) : http://www.nrapvf.org/

The Are More and Bigger Challenges To Amateur Radio Then
Just BPL : Such As Lose of RF Spectrum and Radio Bands.
http://www.arrl.org/files/file/Hambands_color.pdf

Simple Fact : With just 155,000 Members the ARRL
is a relatively 'small' Constituency Group for anyone
Congressman or Senator; and the US Congress as a
whole; as contrasted to :
* NRA ~ 4 Million Members [25X ARRL]
* AARP ~ 40 Million Members [250X ARRL]
Both of Which Claim To Be "Non-Profit" Organizations too...

Again I Simply Posse The Question :
Why-Not ? : A "Voice of Amateur Radio" PAC Fund !
http://groups.google.com/group/rec.radio.shortwave/msg/15807e1c0a01df1c
.
.
> On 4/16/2011 4:17 PM, RHF wrote:
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> > -roughly- 155,000 ARRL Members
> >http://www.arrl.org/membership
>
> > + Plus you have to have and build a supporting
> > {Independent} "Voice of Amateur Radio" PAC Fund
>
> > The ARRL has enough Members who are Lawyers
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> > Encourage Each ARRL Member to make a
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> > 3rd : Build Membership and Increase the Number of Hams
> > -or-lose-spectrum-and-vanish-from-the-air-waves-
> > .
> > .

302. My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 02:12:56 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <iodibe$t5j$1@dont-email.me>
Source record: 912

Ever since I got my ham ticket (in 1970) I've always wanted to build a complete transceiver. (I DID build a Heathkit SB102). The project always seemed a bit too complex though. The problem was I couldn't build it a piece at a time, and be able to then put all the bits in a box. In order to do that I'd have to design the entire rig ahead of time so all the subsystems could have access to the panel for their controls.

Fast forward. Today what with micro-controllers and control by wire parts (such as varicap diodes, digital pots, dds chips, etc) all the subsystems can go anywhere and you only have to have room in the box for all of them.

I've started designing a home brew transceiver around a few modules I've seen on line and in various magazines. I've got a DDS-60 for my VFO and I'm programming an Atmel atmega32 processor to control it. A Bandpass filter design by PA3AKE using toroids, an IF amplifier by W7ZOI and WA7MLH using fets and bipolar transistors, and a product detector (from a direct conversion receiver) by KK7B will form the basis for the receiver. I have some 9 mhz if filters purchased at Dayton many years ago. The transmitter stages will be based on 'stock' HB circuits. Later I might add KK7P's DSP unit with the PicaStar software.

So far I have the DDS working and I've built the KK7B product detector and audio filter board. I still have to build his audio amplifier circuit (I divided the project into two circuit boards). I started working on a cabinet to house the completed rig in. I had a nice surplus cabinet purchased in NYC back in the 1970's in my junk box just waiting for a project. Over the past two weeks I've been cutting openings in the front panel for the controls, LCD, and keypad. I still have to repaint the panel and the cabinet (40 years of storage hasn't helped the finish!).

303. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 06:14:33 UTC
From: bpnjensen <bpnjensen@yahoo.com>
Message-ID: <57a86d3f-8a55-4719-bfcf-bc548423006a@b13g2000prf.googlegroups.com>
Source record: 913
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Apr 16, 4:23 pm, RHF <rhf-newsgro...@pacbell.net> wrote:
> On Apr 16, 3:46 pm, MTV <volzte...@comcast.net> wrote:
> - BPL has NOT "gone through."
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> - The ARRL DOES lobby in D.C. - Chwat & Co., Alexandria,VA
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> - Your contributions are regularly requested, plus the most effective,
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> - "non-profit" organizations do have restrictions on how money is
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> - e.g. no money to political campaigns, etc.
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> -http://www.arrl.org/regulatory-advocacy
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> - W5MTV
>
> W5MTV --- Hence "Look At {Better} Success" :
> Look at the NRA Political Victory
> Fund (NRA-PVF) :http://www.nrapvf.org/
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> The Are More and Bigger Challenges To Amateur Radio Then
> Just BPL : Such As Lose of RF Spectrum and Radio
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> Simple Fact : With just 155,000 Members the ARRL
> is a relatively 'small' Constituency Group for anyone
> Congressman or Senator; and the US Congress as a
> whole; as contrasted to :
> * NRA ~ 4 Million Members [25X ARRL]
> * AARP ~ 40 Million Members [250X ARRL]
> Both of Which Claim To Be "Non-Profit" Organizations too...
>
> Again I Simply Posse The Question :
> Why-Not ? : A "Voice of Amateur Radio" PAC Fund
!http://groups.google.com/group/rec.radio.shortwave/msg/15807e1c0a01df1c
> .
> .> On 4/16/2011 4:17 PM, RHF wrote:
>
> Look At Success : Look at the NRA Political Victory
> Fund (NRA-PVF) :http://www.nrapvf.org/
>

>
>
>
>
>
>
>
>
> > > On Apr 15, 8:13 pm, Scott<acepilotREM...@bloomer.net> wrote:
> > >> On 4-16-2011 00:31, Joe from Kokomo wrote:
>
> > >>> On 4/15/2011 6:41 PM, Scott wrote:
>
> > >>>> Why? If every ham just wrote to their elected officials (for the cost of
> > >>>> a stamp, or free by email), they would get the message just as well, if
> > >>>> not better than, if they got 1 letter or a personal visit from the ARRL
> > >>>> "lobbyist".
>
> > >>> Just my personal opinion, but I believe it is quite naive to think that
> > >>> if "every ham just wrote". Extremely unlikely...and oh, if not the ARRL,
> > >>> just who do you think is going to tell the hams to write and what to
> > >>> write about?
>
> > >> Well, if hams won't take any initiative to write their Congressmen, then
> > >> they probably don't give two craps enough to really care if we lose
> > >> bandwidth. All proposed NPRMs are published in the Federal Register and
> > >> a simple search on their website for "FCC" will list
them.http://frwebgate.access.gpo.gov/cgi-bin/multidb.cgi
>
> > >>> Finally, it's quite naive to think that a national lobbying organization
> > >>> is not helpful -- just look at how successful the NRA is.
>
> > >> So, the ARRL is donating how much to political parties?
>
> > >> The NRA has donated a bit over $18 million from 1989-2010. They were
> > >> number 39 of the top 140 donors...
> > >> 39 National Rifle Assn $18,209,746   17%(To Dems)   82% (To Repubs)
> > >> THAT'S probably why they are so successful. Money talks, BS Walks...
>
> > >>http://www.opensecrets.org/orgs/list.php
>
> > >> Didn't see the ARRL in the top 140. Searched and didn't find them on
> > >> the list at all. #140 donated about $4.7 million over the same period.
>
> > >> If the ARRL is so successful at lobbying, why did BPL go through even
> > >> though they begged members to send more money to fight against it and
> > >> lost the battle anyway? Remember when the 13cm band used to be
> > >> 2300-2450 MHz? I do. Remember when the 1.25M band used to be 220-225
> > >> MHz. I do. Remember when a lot of foreign countries had no code
> > >> requirement for HF and we did? I do.

> > > >> I'm not saying they aren't worth something, but why won't they give a
> > > >> guy a choice about which magazine he wants with his membership?
> > > >> Probably because QEX doesn't have so many ads as QST and they want the
> > > >> advertisers to get more bang for their buck (understandably, since they
> > > >> can charge more for ad space based on the number of magazine "subscribers")
> > >
> > > > *IF* The ARRL want to have a real "Voice" at the Table
> > > > in Congress and at the FCC :Then they have to be as
> > > > 'smart' as the other "Players" in the Washington, DC
> > > > Political 'Action' {Power} Game.
> > >
> > > > Look At Success : Look at the NRA Political Victory
> > > > Fund (NRA-PVF) :http://www.nrapvf.org/
> > >
> > > > You have and build your 'basic' ARRL Membership
> > > > -roughly- 155,000 ARRL Members
> > > >http://www.arrl.org/membership
> > >
> > > > + Plus you have to have and build a supporting
> > > > {Independent} "Voice of Amateur Radio" PAC Fund
> > >
> > > > The ARRL has enough Members who are Lawyers
> > > > set-up and make a "Voice of Amateur Radio" PAC
> > > > Fund Do-Able and Work-Able -so- Just Do It !
> > >
> > > > Encourage Each ARRL Member to make a
> > > > Matching {Voluntary} Contribution to the
> > > > "Voice of Amateur Radio" [VoAR] PAC Fund
> > > > -so- Take the 155,000 ARRL Members
> > > > -by- $5 = $775,000 VoAR-PAC Fund : Figure about
> > > > 20% for a Part-Time Lobbyist and leaves around
> > > > $1000 in 'political' contributions per Member of Congress
> > > > -by- $10 = $1,555,000 VoAR-PAC Fund : Figure about
> > > > 20% for a Part-Time Lobbyist and leaves around $2000
> > > > in 'political' contributions per Member of Congress
> > >
> > > > ? Is Your Amateur [Ham] Radio "Hobby" Worth an
> > > > Extra $5 to $10 per Year To You For A Seat At The
> > > > Table of Congress and the FCC in Washington, DC ?
> > >
> > > > Promote the "Voice of Amateur Radio" PAC Fund
> > > > to the American Public and the Corporate World
> > > > Git Them To Become Sponsors and Underwriters
> > > > of the "Voice of Amateur Radio" PAC Fund too.
> > >
> > > > Then Use the "Voice of Amateur Radio" PAC Fund
> > > > Money to Lobby Congress and the FCC to ensure
> > > > Fairness and Equal Treatment for Amateur Radio
> > > > in Congress and Before the FCC.

>
> > > It's All Legal& It's All Good - it's very smart too ~ RHF
> > >   .
> > > REALITY CHECK : WITH ONLY 155,000 MEMBERS
> > > THE ARRL HAS THREE GOALS :
> > > 1st : Build Membership and Increase the Number of Hams
> > > -or-lose-spectrum-and-vanish-from-the-air-waves-
> > > 2nd : Build Membership and Increase the Number of Hams
> > > -or-lose-spectrum-and-vanish-from-the-air-waves-
> > > 3rd : Build Membership and Increase the Number of Hams
> > > -or-lose-spectrum-and-vanish-from-the-air-waves-
> > >   .
> > >   .

What hams need are wealthy, high-profile members - like the NRA and AARP. They may be small, but fascinating people, even if they are stooges, can yield results.

304. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 11:07:23 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <ioehle$hd8$1@dont-email.me>
Source record: 914
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

```
On 17/04/2011 4:14 PM, bpnjensen wrote:
> On Apr 16, 4:23 pm, RHF<rhf-newsgro...@pacbell.net> wrote:
>> On Apr 16, 3:46 pm, MTV<volzte...@comcast.net> wrote:
>> - BPL has NOT "gone through."
>> -
>> - The ARRL DOES lobby in D.C. - Chwat& Co., Alexandria,VA
>> - Plus direct HQ access to the FCC commissioners and staff.
>> -
>> - Your contributions are regularly requested, plus the most effective,
>> - personal letters to our representatives.
>> -
>> - "non-profit" organizations do have restrictions on how money is
>> spent,
>> - e.g. no money to political campaigns, etc.
>> -
>> -http://www.arrl.org/regulatory-advocacy
>> -
>> - W5MTV
>>
>> W5MTV --- Hence "Look At {Better} Success" :
>> Look at the NRA Political Victory
>> Fund (NRA-PVF) :http://www.nrapvf.org/
>>
>> The Are More and Bigger Challenges To Amateur Radio Then
>> Just BPL : Such As Lose of RF Spectrum and Radio
Bands.http://www.arrl.org/files/file/Hambands_color.pdf
>>
>> Simple Fact : With just 155,000 Members the ARRL
>> is a relatively 'small' Constituency Group for anyone
>> Congressman or Senator; and the US Congress as a
>> whole; as contrasted to :
>> * NRA ~ 4 Million Members [25X ARRL]
>> * AARP ~ 40 Million Members [250X ARRL]
>> Both of Which Claim To Be "Non-Profit" Organizations too...
>>
>> Again I Simply Posse The Question :
>> Why-Not ? : A "Voice of Amateur Radio" PAC Fund
!http://groups.google.com/group/rec.radio.shortwave/msg/15807e1c0a01df1c
>> .
>> .> On 4/16/2011 4:17 PM, RHF wrote:
>>
>> Look At Success : Look at the NRA Political Victory
>> Fund (NRA-PVF) :http://www.nrapvf.org/
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>>>> On Apr 15, 8:13 pm, Scott<acepilotREM...@bloomer.net> wrote:
>>>>> On 4-16-2011 00:31, Joe from Kokomo wrote:
>>
>>>>>> On 4/15/2011 6:41 PM, Scott wrote:
>>
>

>>>> .
>
> What hams need are wealthy, high-profile members - like the NRA and
> AARP. They may be small, but fascinating people, even if they are
> stooges, can yield results.

So you need a dozen younger Barry Goldwaters ?
or a 2nd organisation same as here because the incumbent are hopeless

--
X-No-Archive: Yes

305. Re: Kids Don't Kill Each Other With 2 Way Radios

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 13:21:36 UTC
From: dave <dave@dave.dave>
Message-ID: <4daae926$0$12460$bd467cd0@news.dslextreme.com>
Source record: 915
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/16/2011 02:17 PM, RHF wrote:

>
> *IF* The ARRL want to have a real "Voice" at the Table
> in Congress and at the FCC :Then they have to be as
> 'smart' as the other "Players" in the Washington, DC
> Political 'Action' {Power} Game.
>
> Look At Success : Look at the NRA Political Victory
> Fund (NRA-PVF) : http://www.nrapvf.org/
>

306. Re: Think of ham radio as a well regulated electronic militia

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 13:30:04 UTC
From: dave <dave@dave.dave>
Message-ID: <4daaeb22$0$12498$bd467cd0@news.dslextreme.com>
Source record: 916
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/16/2011 04:23 PM, RHF wrote:

> W5MTV --- Hence "Look At {Better} Success" :
> Look at the NRA Political Victory
> Fund (NRA-PVF) : http://www.nrapvf.org/
>
> The Are More and Bigger Challenges To Amateur Radio Then
> Just BPL : Such As Lose of RF Spectrum and Radio Bands.
> http://www.arrl.org/files/file/Hambands_color.pdf
>

.

307. Re: We got Joe Walsh!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 16:59:42 UTC
From: dave <dave@dave.dave>
Message-ID: <4dab1c46$0$12452$bd467cd0@news.dslextreme.com>
Source record: 917
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On 04/16/2011 11:14 PM, bpnjensen wrote:

>
> What hams need are wealthy, high-profile members - like the NRA and
> AARP. They may be small, but fascinating people, even if they are
> stooges, can yield results.

308. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 19:49:22 UTC
From: Speagle <none@none.org>
Message-ID: <iofg82$vr6$2@news.albasani.net>
Source record: 918
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.antenna,rec.radio.shortwave

On Sat, 16 Apr 2011 14:17:35 -0700, RHF wrote:

IF The ARRL want to have a real "Voice" at the Table in Congress and at the FCC :Then they have to be as 'smart' as the other "Players" in the Washington, DC Political 'Action' {Power} Game.
Look At Success : Look at the NRA Political Victory Fund (NRA-PVF) : http://www.nrapvf.org/

Government for sale to the highest bidder?... typical stupid teabagger

Teabagging republicans would sell their mother's SS to the rich while living under a bridge burning the corpses of the children they fought so hard not to abort and brag to each other about their perceived superior intellect on their new 400Mhz cellphones.

309. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 22:02:06 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <93eebbb0-6464-4cde-8109-5bb1b54e036c@b13g2000prf.googlegroups.com>
Source record: 919

On Apr 16, 7:12 pm, Kenneth Scharf <wa2...@bellsouth.net> wrote:
> Ever since I got my ham ticket (in 1970) I've always wanted to build a
> complete transceiver. (I DID build a Heathkit SB102). The project
> always seemed a bit too complex though. The problem was I couldn't
> build it a piece at a time, and be able to then put all the bits in a
> box. In order to do that I'd have to design the entire rig ahead of
> time so all the subsystems could have access to the panel for their
> controls.
>
> Fast forward. Today what with micro-controllers and control by wire
> parts (such as varicap diodes, digital pots, dds chips, etc) all the
> subsystems can go anywhere and you only have to have room in the box for
> all of them.
>
> I've started designing a home brew transceiver around a few modules I've
> seen on line and in various magazines. I've got a DDS-60 for my VFO and
> I'm programming an Atmel atmega32 processor to control it. A Bandpass
> filter design by PA3AKE using toroids, an IF amplifier by W7ZOI and
> WA7MLH using fets and bipolar transistors, and a product detector (from
> a direct conversion receiver) by KK7B will form the basis for the
> receiver. I have some 9 mhz if filters purchased at Dayton many years
> ago. The transmitter stages will be based on 'stock' HB circuits.
> Later I might add KK7P's DSP unit with the PicaStar software.
>
> So far I have the DDS working and I've built the KK7B product detector
> and audio filter board. I still have to build his audio amplifier
> circuit (I divided the project into two circuit boards). I started
> working on a cabinet to house the completed rig in. I had a nice
> surplus cabinet purchased in NYC back in the 1970's in my junk box just
> waiting for a project. Over the past two weeks I've been cutting
> openings in the front panel for the controls, LCD, and keypad. I still
> have to repaint the panel and the cabinet (40 years of storage hasn't
> helped the finish!).

Homebrew is still alive! It's interesting to ponder how you're
adapting to modules that are available, and apparently avoiding having
to directly deal with nasties like ICs with thermal pads on the back
and ball grid arrays -- and comparing that with the parts that were
available back when you got started in ham radio. It's also
interesting how you are picking "modules" out of the published works
of other hams, to get to a design you can call your own while giving
credit to those original authors too. Thanks for sharing, Kenneth!

Cheers,
Tom

310. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-17 23:01:23 UTC
From: Bert Hyman <bert@iphouse.com>
Message-ID: <Xns9ECAB75713B72VeebleFetzer@216.250.188.141>
Source record: 920

In news:iofg82$vr6$2@news.albasani.net Speagle <none@none.org> wrote:

> Government for sale to the highest bidder?...

Government's been for sale to the highest bidder for decades, if not
longer.

> typical stupid teabagger

Pay attention.

--
Bert Hyman W0RSB St. Paul, MN bert@iphouse.com

311. Re: Why-Not ? : A "Voice of Amateur Radio" PAC Fund !

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 00:34:07 UTC
From: tom <news4792@taring.org>
Message-ID: <4dab86fe$0$87580$8046368a@newsreader.iphouse.net>
Source record: 921

On 4/17/2011 2:49 PM, Speagle wrote:
> On Sat, 16 Apr 2011 14:17:35 -0700, RHF wrote:
>
> *IF* The ARRL want to have a real "Voice" at the Table in Congress and at
> the FCC :Then they have to be as 'smart' as the other "Players" in the
> Washington, DC Political 'Action' {Power} Game.
> Look At Success : Look at the NRA Political Victory Fund (NRA-PVF) :
> http://www.nrapvf.org/
>
> Government for sale to the highest bidder?... typical stupid teabagger
>
> Teabagging republicans would sell their mother's SS to the rich while
> living under a bridge burning the corpses of the children they fought so
> hard not to abort and brag to each other about their perceived superior
> intellect on their new 400Mhz cellphones.
>
>
>

Moron. To mix metaphors he drank the KoolAid hook line and sinker.

This is the type that both parties love, not someone who can't think,
but would never start.

PLONK!

312. HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 10:58:45 UTC
From: Markus Wolfgart <markus.wolfgart@dlr.de>
Message-ID: <912jqrF5buU1@mid.dfncis.de>
Source record: 922

Dear OM's

I'm looking for some help concerning a defective driver pcb for a
yig oscillator inside the mentioned device above.

see link: (http://www.mikrocontroller.net/topic/215840#2149959)

I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
the lower corner as well as for the value of the capacitor.

Have any of you a link to the service schematic of the mentioned driver,
or could send me a copy of it.

Any help would be appreciated.

vy73

Markus
alias
DL8MBY

313. ADULT SEX PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 11:41:18 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <91e361b6-e0e4-4eb1-918b-7e6d6900f9e4@v33g2000prn.googlegroups.com>
Source record: 923

hot lipkiss
http://hotactressstoyou.blogspot.com/2011/04/lipkiss-2.html
lipkiss in without dress
http://hotactressstoyou.blogspot.com/2011/04/lipkiss.html
seepika padukone sexy back look
http://hotactressstoyou.blogspot.com/2011/04/deepika-padukone.html
sexy katrina kaif
http://hotactressstoyou.blogspot.com/2011/04/katrina-kaif.html
beauty keerthi chawla
http://hotactressstoyou.blogspot.com/2011/04/keerthi-chawla.html
saloni sexy photos
http://hotactressstoyou.blogspot.com/2011/04/saloni.html
deeksha seth in a hot saree
http://hotactressstoyou.blogspot.com/2011/04/deeksha-seth.html
asin hot wallpapers
http://hotactressstoyou.blogspot.com/2011/04/asin.html
ramba in a red dress
http://hotactressstoyou.blogspot.com/2011/04/ramba.html
sexy ilieana is in scert
http://hotactressstoyou.blogspot.com/2011/04/ileana.html

314. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 18:59:32 UTC
From: John Ferrell <jferrell13@triad.rr.com>
Message-ID: <352pq691evdfoetqq4aehf7jigql8ds3i3@4ax.com>
Source record: 924

On Sat, 16 Apr 2011 22:12:56 -0400, Kenneth Scharf
<wa2mze@bellsouth.net> wrote:

>Ever since I got my ham ticket (in 1970) I've always wanted to build a
>complete transceiver. (I DID build a Heathkit SB102). The project
>always seemed a bit too complex though. The problem was I couldn't
>build it a piece at a time, and be able to then put all the bits in a
>box. In order to do that I'd have to design the entire rig ahead of
>time so all the subsystems could have access to the panel for their
>controls.
>
>Fast forward. Today what with micro-controllers and control by wire
>parts (such as varicap diodes, digital pots, dds chips, etc) all the
>subsystems can go anywhere and you only have to have room in the box for
>all of them.
>
>I've started designing a home brew transceiver around a few modules I've
>seen on line and in various magazines. I've got a DDS-60 for my VFO and
>I'm programming an Atmel atmega32 processor to control it. A Bandpass
>filter design by PA3AKE using toroids, an IF amplifier by W7ZOI and
>WA7MLH using fets and bipolar transistors, and a product detector (from
>a direct conversion receiver) by KK7B will form the basis for the
>receiver. I have some 9 mhz if filters purchased at Dayton many years
>ago. The transmitter stages will be based on 'stock' HB circuits.
>Later I might add KK7P's DSP unit with the PicaStar software.
>
>So far I have the DDS working and I've built the KK7B product detector
>and audio filter board. I still have to build his audio amplifier
>circuit (I divided the project into two circuit boards). I started
>working on a cabinet to house the completed rig in. I had a nice
>surplus cabinet purchased in NYC back in the 1970's in my junk box just
>waiting for a project. Over the past two weeks I've been cutting
>openings in the front panel for the controls, LCD, and keypad. I still
>have to repaint the panel and the cabinet (40 years of storage hasn't
>helped the finish!).

Please keep us informed!
Web sites and links to pictures would be nice.
If you don't know how and are not too interested in learning I can
help you out with that part. Free of course.

There are a lot of folks who are serious about building things today.
I hope to do the same thing as you, but my plan is to go the soft rock
scheme.

Getting it done is always a problem. There are lots of distractions
that divert my attention!
John Ferrell W8CCW

315. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 19:04:05 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <4831959e-e770-4540-812b-a5acc85d8e1f@f15g2000pro.googlegroups.com>
Source record: 925

On Apr 18, 3:58 am, Markus Wolfgart <markus.wolfg...@dlr.de> wrote:
> Dear OM's
>
> I'm looking for some help concerning a defective driver pcb for a
> yig oscillator inside the mentioned device above.
>
> see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> the lower corner as well as for the value of the capacitor.
>
> Have any of you a link to the service schematic of the mentioned driver,
> or could send me a copy of it.
>
> Any help would be appreciated.
>
> vy73
>
> Markus
> alias
> DL8MBY

So, is that a board that is actually part of the YTO assembly, A11?
There is a remote possibility I can find a schematic...if nobody else
has one handy. I do worry, though, WHY it burned up: is there a
shorted coil in the YTO? I assume you have the 09562-90062.pdf
service manual that you can get from the Agilent website.
Unfortunately, it's pretty thin on component-level schematics. Even
in instrument manuals with more detailed schematics, it's common to
treat the YTO as a "black box."

Cheers,
Tom

316. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 19:31:44 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <9b8bb605-ab1d-4cd8-a2a5-9429e57dcd47@18g2000prd.googlegroups.com>
Source record: 926

On Apr 18, 3:58 am, Markus Wolfgart <markus.wolfg...@dlr.de> wrote:
> Dear OM's
>
> I'm looking for some help concerning a defective driver pcb for a
> yig oscillator inside the mentioned device above.
>
> see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> the lower corner as well as for the value of the capacitor.
>
> Have any of you a link to the service schematic of the mentioned driver,
> or could send me a copy of it.
>
> Any help would be appreciated.
>
> vy73
>
> Markus
> alias
> DL8MBY

A bit more on this: tantalum caps have a bad habit of shorting out.
I can see from your posted pictures of the board that the burned axial
lead component is in series from pin 8 of the connector, which from
the partial schematic someone else posted to the thread is the +15V
supply. I can't quite trace out where the other end of the burned
component goes, but if it goes to that burned tantalum, then it's
reasonable to suspect that the capacitor shorted and drew enough
current through the axial lead component to burn up both itself and
the axial lead part, and that may be the extent of the problem. If
the axial lead part really was a resistor, it was probably a pretty
low value, as you suggest, and the value is probably not at all
critical. Is there any chance it was instead a low-value inductor?
You might trace out where that +15V power is used. It may help to
know that the 1826-1149 is an OP-07 op amp. If the tantalum is a
power supply filter cap (pretty likely), you'll of course want to use
one rated at least 25V on a 15V bus; 35V would be even better. These
days you could likely just use a ceramic to replace it...we have a lot
less trouble with ceramic shorting than with tantalums.

Cheers,
Tom

317. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 20:14:59 UTC
From: Kickin' Ass and Takin' Names <PopUlist349@hotmail.com>
Message-ID: <lr6pq6tu677qmabn68akji7fg28tejot9a@4ax.com>
Source record: 927

On Sat, 16 Apr 2011 22:12:56 -0400, Kenneth Scharf
<wa2mze@bellsouth.net> wrote:

>Ever since I got my ham ticket (in 1970) I've always wanted to build a
>complete transceiver. (I DID build a Heathkit SB102). The project
>always seemed a bit too complex though. The problem was I couldn't
>build it a piece at a time, and be able to then put all the bits in a
>box. In order to do that I'd have to design the entire rig ahead of
>time so all the subsystems could have access to the panel for their
>controls.
>
>Fast forward. Today what with micro-controllers and control by wire
>parts (such as varicap diodes, digital pots, dds chips, etc) all the
>subsystems can go anywhere and you only have to have room in the box for
>all of them.
>
>I've started designing a home brew transceiver around a few modules I've
>seen on line and in various magazines. I've got a DDS-60 for my VFO and
>I'm programming an Atmel atmega32 processor to control it. A Bandpass
>filter design by PA3AKE using toroids, an IF amplifier by W7ZOI and
>WA7MLH using fets and bipolar transistors, and a product detector (from
>a direct conversion receiver) by KK7B will form the basis for the
>receiver. I have some 9 mhz if filters purchased at Dayton many years
>ago. The transmitter stages will be based on 'stock' HB circuits.
>Later I might add KK7P's DSP unit with the PicaStar software.
>
>So far I have the DDS working and I've built the KK7B product detector
>and audio filter board. I still have to build his audio amplifier
>circuit (I divided the project into two circuit boards). I started
>working on a cabinet to house the completed rig in. I had a nice
>surplus cabinet purchased in NYC back in the 1970's in my junk box just
>waiting for a project. Over the past two weeks I've been cutting
>openings in the front panel for the controls, LCD, and keypad. I still
>have to repaint the panel and the cabinet (40 years of storage hasn't
>helped the finish!).

Do you have a website? If not, it's not at all expensive to register
your own domain -- something like wa2mze.org -- find someone to host
the site -- GoDaddy comes to mind -- and in a few minutes your site is
up.

Then, you can post details, photos, and the like and ask for ideas and
assistance.

Just a thought.

The material posted here may or may not be factual.

The author is following the example set by
Senator Jon Kyl (R, AZ) who was caught citing
false statistics, after which his staff stated
that his comments were "not intended to be factual."

KATN

318. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-18 23:56:11 UTC
From: Andrew Holme <ah@nospam.com>
Message-ID: <rc4rp.6186$ZU7.2967@newsfe11.ams2>
Source record: 928

"Markus Wolfgart" <markus.wolfgart@dlr.de> wrote in message
news:912jqrF5buU1@mid.dfncis.de...
> Dear OM's
>
> I'm looking for some help concerning a defective driver pcb for a
> yig oscillator inside the mentioned device above.
>
> see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> the lower corner as well as for the value of the capacitor.
>
> Have any of you a link to the service schematic of the mentioned driver,
> or could send me a copy of it.
>
> Any help would be appreciated.
>
>
> vy73
>
> Markus
> alias
> DL8MBY
>

I agree with K7ITM that tants have a habit of burning out like the one in
your photo. And I agree it looks like the tant and series R or L are just
filtering a power supply coming onto the board.

From the photos, it looks like the square pad of the blown tant is connected
to a ground plane inside the board. After removing the cap, you could buzz
it out to check. But I think I see a + adjacent to the square pad on the
top copper in your 01k photo. I wonder if there is an error in the PCB
layout or the schematic. You might want to check if pin 8 is really +15V
or -15V by measuring the voltage on the unplugged cable.

319. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 00:41:47 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <ioilod$a5p$1@dont-email.me>
Source record: 929

On 04/17/2011 06:02 PM, K7ITM wrote:
> On Apr 16, 7:12 pm, Kenneth Scharf<wa2...@bellsouth.net> wrote:
>> Ever since I got my ham ticket (in 1970) I've always wanted to build a
>> complete transceiver. (I DID build a Heathkit SB102). The project
>> always seemed a bit too complex though. The problem was I couldn't
>> build it a piece at a time, and be able to then put all the bits in a
>> box. In order to do that I'd have to design the entire rig ahead of
>> time so all the subsystems could have access to the panel for their
>> controls.
>>
>> Fast forward. Today what with micro-controllers and control by wire
>> parts (such as varicap diodes, digital pots, dds chips, etc) all the
>> subsystems can go anywhere and you only have to have room in the box for
>> all of them.
>>
>> I've started designing a home brew transceiver around a few modules I've
>> seen on line and in various magazines. I've got a DDS-60 for my VFO and
>> I'm programming an Atmel atmega32 processor to control it. A Bandpass
>> filter design by PA3AKE using toroids, an IF amplifier by W7ZOI and
>> WA7MLH using fets and bipolar transistors, and a product detector (from
>> a direct conversion receiver) by KK7B will form the basis for the
>> receiver. I have some 9 mhz if filters purchased at Dayton many years
>> ago. The transmitter stages will be based on 'stock' HB circuits.
>> Later I might add KK7P's DSP unit with the PicaStar software.
>>
>> So far I have the DDS working and I've built the KK7B product detector
>> and audio filter board. I still have to build his audio amplifier
>> circuit (I divided the project into two circuit boards). I started
>> working on a cabinet to house the completed rig in. I had a nice
>> surplus cabinet purchased in NYC back in the 1970's in my junk box just
>> waiting for a project. Over the past two weeks I've been cutting
>> openings in the front panel for the controls, LCD, and keypad. I still
>> have to repaint the panel and the cabinet (40 years of storage hasn't
>> helped the finish!).
>
> Homebrew is still alive! It's interesting to ponder how you're
> adapting to modules that are available, and apparently avoiding having
> to directly deal with nasties like ICs with thermal pads on the back
> and ball grid arrays -- and comparing that with the parts that were
> available back when you got started in ham radio. It's also
> interesting how you are picking "modules" out of the published works
> of other hams, to get to a design you can call your own while giving
> credit to those original authors too. Thanks for sharing, Kenneth!
>

> Cheers,
> Tom
Ham radio is the original "Open Source Hardware"
(http://freedomdefined.org/OSHW). Hams have been sharing ideas for
years. I certainly am grateful to all those that have shared their
design work on the web or in magazines. The same thing has been going
on in software (www.fsf.org, www.gnu.org) as well.

One thing that does 'urk' me are magazine articles where the author has
a link to download a "hex" file for a project that uses computers but
does NOT make the source available. That's like not printing the
schematic IMHO!

There are many surface mount parts that are available in 'leaded'
packages which can be soldered by hand. Even those with .5mm spacing(!)
can be hand soldered to a well laid out PC board with a fine tip
soldering iron. You will need thin wire solder and some solder wick to
clean up shorts between leads, but it can be done. I require some
magnification to see what I'm doing and I have a binocular microscope of
10x power to inspect afterwards.

Learning how to lay out PC boards using cad software is a help. Eagle
Cad is a free download good for double sided boards up to about 4x3
inches and schematics of one sheet.

I have a website at hhtp://scharkalvin.weebly.com. I've started posting
some pictures of what I'm doing and hope to add more info as time permits.

320. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 00:55:54 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <cZqdnTCHNfIHQDHQnZ2dnUVZ_rydnZ2d@bright.net>
Source record: 930

On 4-18-2011 20:14, Kickin' Ass and Takin' Names wrote:

>
>
> Do you have a website? If not, it's not at all expensive to register
> your own domain -- something like wa2mze.org -- find someone to host
> the site -- GoDaddy comes to mind -- and in a few minutes your site is
> up.
>
> Then, you can post details, photos, and the like and ask for ideas and
> assistance.
>
> Just a thought.

Or go with a freebie such as www.tripod.com. Most of us can deal with
the "advertising and/or popups. If it's free, it's for me.

N0EDV

321. HOT VIDEOS FOR YOUTH AND WORLD SEXIEST GIRLS HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 01:04:13 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <cbf3cc9b-ebb3-4d6c-a0c7-036d7464b5d4@r19g2000prm.googlegroups.com>
Source record: 931

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

322. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 02:15:23 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <e494f476-67c3-494c-9261-90fe25817bf0@f31g2000pri.googlegroups.com>
Source record: 932

On Apr 18, 4:56 pm, "Andrew Holme" <a...@nospam.com> wrote:
> "Markus Wolfgart" <markus.wolfg...@dlr.de> wrote in message
>
> news:912jqrF5buU1@mid.dfncis.de...
>
>
>
> > Dear OM's
>
> > I'm looking for some help concerning a defective driver pcb for a
> > yig oscillator inside the mentioned device above.
>
> > see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> > I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> > the lower corner as well as for the value of the capacitor.
>
> > Have any of you a link to the service schematic of the mentioned driver,
> > or could send me a copy of it.
>
> > Any help would be appreciated.
>
> > vy73
>
> > Markus
> > alias
> > DL8MBY
>
> I agree with K7ITM that tants have a habit of burning out like the one in
> your photo. And I agree it looks like the tant and series R or L are just
> filtering a power supply coming onto the board.
>
> From the photos, it looks like the square pad of the blown tant is connected
> to a ground plane inside the board. After removing the cap, you could buzz
> it out to check. But I think I see a + adjacent to the square pad on the
> top copper in your 01k photo. I wonder if there is an error in the PCB
> layout or the schematic. You might want to check if pin 8 is really +15V
> or -15V by measuring the voltage on the unplugged cable.

Yeah, I kind of wondered about the connections to the cap too. Since
we don't have the board, it's hard to tell. It does look like a 4-
layer board, and in that case the interior layers may be ground and
power (with the power possibly split between +15 and -15, or
such...). I fully agree with Andrew: ohm/buzz out the connections to

reverse-engineer as much of the schematic as you need. It's a pretty simple board, and shouldn't be difficult. If there's a code on the two transistors, I can probably tell you what they are (assuming they aren't labeled 2N3904 or whatever). Typical would be 4-nnn (for an NPN) or 3-nnn (for a PNP) -- abbreviations for the full HP part number, which would be 1854-xxxx or 1853-xxxx. The full numbers were a bit hard to put on small parts back then.

Cheers,
Tom

323. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 06:56:36 UTC
From: Markus Wolfgart <markus.wolfgart@dlr.de>
Message-ID: <914q0pFmmnU1@mid.dfncis.de>
Source record: 933

Dear om Andrew dear om Tom,

many thanks for your prompt replay.

Today before breakfast I start to fiddle out the connections from the
pcb to the parts on it.
I'm not ready yet but probably this evening.

But its true as you noticed that all tree caps are routed to the inner
layer (only three of them) with the pos. pol.

The neighbour of the burned resistor seems to be a coil
(vio/red/green/silver/space/brown) colour marking (72uH? I have to check
the meaning of silver labelling factor 0,1?).

The burned resistor is not directly connected to the destroyed cap but
to one of the others 10u25V or 39u10V.

As you mentioned the OPA labelled as PMI9017 - is this part comparable
to a OP07 (or OP27) ?
I have unfortunately no luck to find any doc in the web but some hints
that PIM parts were manufactured for AD in the 80 years and later on AD
take over this company.

I hope to fine more details this evening.

Many thanks for your help.
I will keep you informed on my progress.

Would be great to reanimate this HP8562B for ham purpose.

vy73 + tnx

Markus
DL8MBY

Am 18.04.2011 12:58, schrieb Markus Wolfgart:
> Dear OM's
>
> I'm looking for some help concerning a defective driver pcb for a
> yig oscillator inside the mentioned device above.
>
> see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> the lower corner as well as for the value of the capacitor.
>
> Have any of you a link to the service schematic of the mentioned driver,

> or could send me a copy of it.
>
> Any help would be appreciated.
>
>
> vy73
>
> Markus
> alias
> DL8MBY

324. Audio podcast optimization: decreasing bit rate preserving high quality

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 16:30:59 UTC
From: Sevana Oy <sevanafi@gmail.com>
Message-ID: <61c62fcf-0082-4e8b-8da0-a744e2ad3821@u15g2000vby.googlegroups.com>
Source record: 934

Hi,

Just would like to share an article on audio encoding optimization for podcasting. No need to think what bit rate to choose the batch file will automatically encode your podcast with the best bit rate to preserve the best quality and smallest file size. The approach was tested on MP3, Nero AAC and OGG.

This paper will give you understanding on how one can achieve better compression ratio by bit rate optimization. The key point is that our approach describes a fully automated manner of choosing the bit rate that will preserve the audio quality you define. Read this paper through and find out how to save on size when encoding your podcasts, save on bandwidth when transmitting your audio streams in the network, make more audio tracks fit your memory stick when grabbed from a CD, or store more audio books on your mobile device. This paper will tell you how to save up to 50% on audio file size and up to 50% on the bit rate you encode your audio with still having a descent sound quality.

Read full text of how to encode audio with lowest bit rate at highest quality in this blog post:
http://blog.sevana.fi/optimize-bitrate-and-size-preserving-high-audio-quality-in-tracks-podcasts-tunes-with-aqua-wideband/

325. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 22:25:24 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <81569f2c-12ae-45f0-a7e9-7857502b53cd@j13g2000pro.googlegroups.com>
Source record: 935

On Apr 18, 11:56 pm, Markus Wolfgart <markus.wolfg...@dlr.de> wrote:
> Dear om Andrew dear om Tom,
>
> many thanks for your prompt replay.
>
> Today before breakfast I start to fiddle out the connections from the
> pcb to the parts on it.
> I'm not ready yet but probably this evening.
>
> But its true as you noticed that all tree caps are routed to the inner
> layer (only three of them) with the pos. pol.
>
> The neighbour of the burned resistor seems to be a coil
> (vio/red/green/silver/space/brown) colour marking (72uH? I have to check
> the meaning of silver labelling factor 0,1?).
>
> The burned resistor is not directly connected to the destroyed cap but
> to one of the others 10u25V or 39u10V.
>
> As you mentioned the OPA labelled as PMI9017 - is this part comparable
> to a OP07 (or OP27) ?
> I have unfortunately no luck to find any doc in the web but some hints
> that PIM parts were manufactured for AD in the 80 years and later on AD
> take over this company.
>
> I hope to fine more details this evening.
>
> Many thanks for your help.
> I will keep you informed on my progress.
>
> Would be great to reanimate this HP8562B for ham purpose.
>
> vy73 + tnx
>
> Markus
> DL8MBY
>
> Am 18.04.2011 12:58, schrieb Markus Wolfgart:
>
> > Dear OM's
>
> > I'm looking for some help concerning a defective driver pcb for a
> > yig oscillator inside the mentioned device above.
>

> > see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> > I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> > the lower corner as well as for the value of the capacitor.
>
> > Have any of you a link to the service schematic of the mentioned driver,
> > or could send me a copy of it.
>
> > Any help would be appreciated.
>
> > vy73
>
> > Markus
> > alias
> > DL8MBY

Yes, the 1826-1149 is an OP-07, and specifically an OP-07EZ. It
appears to still be available from Analog Devices, at least in a
plastic version, and you can get a full data sheet on their web site.
The web site also suggests that OP-27 is similar, the data sheet for
the OP-97 may give you some ideas too, and the OP-07 web page at
Analog Devices suggests the AD8677 as a replacement. In short, it
should not be difficult to find both data for the OP-07 and a suitable
replacement should that be necessary. And yes, Analog Devices
acquired PMI many years ago, but carries on the "OP" line of parts
today.

Cheers,
Tom

326. WORLD BEST HOT PICS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 22:31:39 UTC
From: BASS <dalermehandi9247@gmail.com>
Message-ID: <c017c282-dfa0-46d0-8aa2-4042395c84d8@r35g2000prj.googlegroups.com>
Source record: 936

hot lipkiss
http://hotvideosee.blogspot.com/2011/04/lipkiss.html
lipkiss in without dress
http://hotvideosee.blogspot.com/2011/04/lipkiss-2.html
sexy katrina kaif
http://hotvideosee.blogspot.com/2011/04/katrina-kaif.html
deepika padukone sexy back look
http://hotvideosee.blogspot.com/2011/04/deepika-padukone.html
asin hot wallpapers
http://hotvideosee.blogspot.com/2011/04/asin.html
namitha with a sexy look
http://hotvideosee.blogspot.com/2011/04/namitha.html
sneha hot wallpapers
http://hotvideosee.blogspot.com/2011/04/sneha.html
parugu sheela in a half saree
http://hotvideosee.blogspot.com/2011/04/sheela.html
trisha hot navel show in a half saree
http://hotvideosee.blogspot.com/2011/04/trisha.html

327. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-19 22:37:04 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <bdffb8f2-273c-4a2e-804e-ee0a9e9257e5@v33g2000prn.googlegroups.com>
Source record: 937

On Apr 18, 11:56 pm, Markus Wolfgart <markus.wolfg...@dlr.de> wrote:
> Dear om Andrew dear om Tom,
>
> many thanks for your prompt replay.
>
> Today before breakfast I start to fiddle out the connections from the
> pcb to the parts on it.
> I'm not ready yet but probably this evening.
>
> But its true as you noticed that all tree caps are routed to the inner
> layer (only three of them) with the pos. pol.
>
> The neighbour of the burned resistor seems to be a coil
> (vio/red/green/silver/space/brown) colour marking (72uH? I have to check
> the meaning of silver labelling factor 0,1?).
>
> The burned resistor is not directly connected to the destroyed cap but
> to one of the others 10u25V or 39u10V.
>
> As you mentioned the OPA labelled as PMI9017 - is this part comparable
> to a OP07 (or OP27) ?
> I have unfortunately no luck to find any doc in the web but some hints
> that PIM parts were manufactured for AD in the 80 years and later on AD
> take over this company.
>
> I hope to fine more details this evening.
>
> Many thanks for your help.
> I will keep you informed on my progress.
>
> Would be great to reanimate this HP8562B for ham purpose.
>
> vy73 + tnx
>
> Markus
> DL8MBY
>
> Am 18.04.2011 12:58, schrieb Markus Wolfgart:
>
> > Dear OM's
>
> > I'm looking for some help concerning a defective driver pcb for a
> > yig oscillator inside the mentioned device above.
>

> > see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>
> > I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
> > the lower corner as well as for the value of the capacitor.
>
> > Have any of you a link to the service schematic of the mentioned driver,
> > or could send me a copy of it.
>
> > Any help would be appreciated.
>
> > vy73
>
> > Markus
> > alias
> > DL8MBY

Addendum: the label on the op amp, PMI9017, is undoubtedly the date code: 17th week of 1990. The 1826-1149 is an HP part number: all common HP parts have a "4x4" HP number; ones special to a single instrument or a few instruments may have a "5x5" number. Note that the printed circuit board has a 4x4 number: 5062-0752. That suggests to me that the YTO is used in several other instruments, though it could also be the case that when it was made, the team _thought_ it would be used in other places. I'd expect some of the boards in your instrument will have 5x5 numbers beginning with 08562, showing that they are used in the 8562. Many (most) parts with 4x4 part numbers have one or more equivalent industry-standard part numbers; for example a 316 ohm resistor could be purchased from any of several different suppliers, all qualified to meet the requirements of the particular 4x4 part number. But in some rare cases, a 4x4 number refers to a part selected for especially good performance in some area, and you couldn't be guaranteed to maintain performance of the instrument with a similar non-selected "generic" part.

Cheers,
Tom

328. HOT SEXY MASALA VIDEOS AND LOVELY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-20 01:03:47 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <9f2eb062-673e-436d-97ed-4b6db151d1bb@r19g2000prm.googlegroups.com>
Source record: 938

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

329. A. G. Lisi's E8 model may be showing us what both our space & time really are.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-20 02:37:03 UTC
From: fitz <zeusrdx@yahoo.com>
Message-ID: <8b46ed4c-2855-489b-92b0-9c536f76edcc@i39g2000prd.googlegroups.com>
Source record: 939

A. G. Lisi's E8 model may be showing us what both our space & time really are.

(Click link below.)

http://www.amperefitz.com/e8.htm

Crystals and chemical compounds are tied up with group theory which best explains (mathematically) exactly why they form the particular way they do.

Lisi's E8 model is a group theory model that may be showing us why our space forms the way it does via frequencies that cannot be directly measured from inside of our particular space-time realm (Wheeler - Feynman).

Click link below for MORE:

http://www.amperefitz.com/e8.htm

330. Re: HP8562B - YTO- PCB - help wanted!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-20 07:21:39 UTC
From: Markus Wolfgart <markus.wolfgart@dlr.de>
Message-ID: <917fs4FmmkU2@mid.dfncis.de>
Source record: 940

Dear Tom,

many thanks for your detailed explanation.

Today before my breakfast;-) I replaced two caps
a little choke and the destroyed resistor (I guess a value of 75Ohm)
by some parts of my ham box.
The second cap which was connected to the resistor which overheat was
shorted too but looks good from outside in contrast to the one which was
destroyed.
A quick and dirty solution for the moment until I get the proper infos.
This dirty solution was so far successful as I could see the spectrum of
the 300MHz test oscillator build in ;-)

Now I will check the docs in order to find out how to proof that the SA
is working properly.

I will keep you informed on further progress.

By the way I get some help from your good friend Barry WA4VZQ
via mail.

vy73

Markus

Am 20.04.2011 00:37, schrieb K7ITM:
> On Apr 18, 11:56 pm, Markus Wolfgart <markus.wolfg...@dlr.de> wrote:
>> Dear om Andrew dear om Tom,
>>
>> many thanks for your prompt replay.
>>
>> Today before breakfast I start to fiddle out the connections from the
>> pcb to the parts on it.
>> I'm not ready yet but probably this evening.
>>
>> But its true as you noticed that all tree caps are routed to the inner
>> layer (only three of them) with the pos. pol.
>>
>> The neighbour of the burned resistor seems to be a coil
>> (vio/red/green/silver/space/brown) colour marking (72uH? I have to check
>> the meaning of silver labelling factor 0,1?).
>>
>> The burned resistor is not directly connected to the destroyed cap but
>> to one of the others 10u25V or 39u10V.
>>
>> As you mentioned the OPA labelled as PMI9017 - is this part comparable

>> to a OP07 (or OP27) ?
>> I have unfortunately no luck to find any doc in the web but some hints
>> that PIM parts were manufactured for AD in the 80 years and later on AD
>> take over this company.
>>
>> I hope to fine more details this evening.
>>
>> Many thanks for your help.
>> I will keep you informed on my progress.
>>
>> Would be great to reanimate this HP8562B for ham purpose.
>>
>> vy73 + tnx
>>
>> Markus
>> DL8MBY
>>
>> Am 18.04.2011 12:58, schrieb Markus Wolfgart:
>>
>>> Dear OM's
>>
>>> I'm looking for some help concerning a defective driver pcb for a
>>> yig oscillator inside the mentioned device above.
>>
>>> see link: (http://www.mikrocontroller.net/topic/215840#2149959)
>>
>>> I'm looking for the proper value of the destroyed resistor (< 50 ohm) in
>>> the lower corner as well as for the value of the capacitor.
>>
>>> Have any of you a link to the service schematic of the mentioned driver,
>>> or could send me a copy of it.
>>
>>> Any help would be appreciated.
>>
>>> vy73
>>
>>> Markus
>>> alias
>>> DL8MBY
>
> Addendum: the label on the op amp, PMI9017, is undoubtedly the date
> code: 17th week of 1990. The 1826-1149 is an HP part number: all
> common HP parts have a "4x4" HP number; ones special to a single
> instrument or a few instruments may have a "5x5" number. Note that
> the printed circuit board has a 4x4 number: 5062-0752. That suggests
> to me that the YTO is used in several other instruments, though it
> could also be the case that when it was made, the team _thought_ it
> would be used in other places. I'd expect some of the boards in your
> instrument will have 5x5 numbers beginning with 08562, showing that
> they are used in the 8562. Many (most) parts with 4x4 part numbers

> have one or more equivalent industry-standard part numbers; for
> example a 316 ohm resistor could be purchased from any of several
> different suppliers, all qualified to meet the requirements of the
> particular 4x4 part number. But in some rare cases, a 4x4 number
> refers to a part selected for especially good performance in some
> area, and you couldn't be guaranteed to maintain performance of the
> instrument with a similar non-selected "generic" part.
>
> Cheers,
> Tom

331. Building a tv tower hinge. Would this work?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-20 15:56:30 UTC
From: stryped <stryped1@yahoo.com>
Message-ID: <ee5c6f01-d6d6-4243-a825-6d9fc5803ad5@l6g2000vbn.googlegroups.com>
Source record: 941

My idea is to make some sort of hinge so I could lower it over and raise it. I know I mentioned it before but now seems to be the time I need to do it. (My little boy is starting to find pieces of the antenna in the yard.)

My thought was to dig a hole beside my current antenna a couple of feet deep and in circumfrence. Place some 3 inch schedule 80 pipe (one
for each corner) into the holw with a 2x2 or so piece of 1/4 inch steel on top. On the end of the plate would be welded a few pieces of black pipe the diameter of a hitch pin. There would be another piece of 2x2x1/4 piece of steel with more black iron pipe on it. The black iron pipe would in effect be the "hinge" part of the mechanism. (sort of the way I made the fold down gate for my trailer).

Here is where I am having trouble. On top of the "top" plate, I have some 2 inch black iron pipe. My first thought is two weld three of these as "legs" on top of the top plate, then put my cut down exisiting tower into this pipe, drilling a hole through each leg. (The
new two inch pipe and the legs on the tower). Instering a grade 5 bolt
into this. I have also thought, I wonder if it would be easier to just
put the three legs up and use u bolts to attach the tv tower to the outside of the legs.

I would still need to climb part way up it or have the capability to to adjust my sat dish. I cant figure out a good way to do it with the tower leaned over.

By the way, I am a ham too!

332. ADULTS HOT VIDEOS SITES AND SEXY PHOTOS SEE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-21 01:07:28 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <85254899-bea7-49b0-945e-6dd1fc1b280c@v11g2000prb.googlegroups.com>
Source record: 942

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

333. FS: Great looking VHF xmtr. & Misc

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-21 21:36:55 UTC
From: Eugene Rippen <soundval@muchstuff.com>
Message-ID: <Xns9ECE94AACD129er7373@69.16.186.52>
Source record: 943

The following are for sale.
PayPal or personal checks. PayPal takes credit cards.
Shipping to be added. Ship USA only.

VHF great looking homebrew transmitter. Must look at this.
(I got this with a Motorola power supply.
I'm not offering the power supply, but if someone is
interested in it. I estimate the weight of the power supply without the
transformer at 50 lbs, and the transformer at 70 pounds.) Neither the
transmitter nor the PS have been tested. The tube is a PL 4D21.
I will use 13 lbs as the shipping weight. $95.00
http://www.muchstuff.com/3-9-11mics/p1000756.jpg
http://www.muchstuff.com/3-9-11mics/p1000757.jpg

"Bud" index card metal box. I will use 1 lb. as shipping weight. $10.00
http://www.muchstuff.com/3-9-11mics/p1000760.jpg

Old, and I mean OLD!, Rheostat. 1.25 Amp. 32 ohms. I will use 4.5 lbs
as
shipping weight. $5.00.
http://www.muchstuff.com/3-9-11mics/p1000762.jpg
http://www.muchstuff.com/3-9-11mics/p1000763.jpg
http://www.muchstuff.com/3-9-11mics/p1000764.jpg

Fujiden Low Pass filter. 50 ohms impedance. "Fc-32 MHz" 100 W. I will
use
1 lb. as shipping weight. $10.00
http://www.muchstuff.com/3-9-11mics/p1000766.jpg

Palomar Engineers CW Filter. I will use 1 lb. as shipping weight.
$10.00
http://www.muchstuff.com/3-9-11mics/p1000765.jpg

Eugene Rippen, WB6SZS
Auburn, CA.

334. FS: Bundled: Var Caps, Trimmers, Heat Sinks, Spkrs, Mil Type Connectors

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-21 23:38:09 UTC
From: Eugene Rippen <soundval@muchstuff.com>
Message-ID: <Xns9ECEA938974E5er7373@69.16.186.52>
Source record: 944

PayPal, USPS money orders or personal checks only.
PayPal takes credit cards.
Items are held from sale to others for 4 days to
receive payment
Shipping to be added. Ship USA only.
Respond with ZIP.
Please don't ask me about individual items.

27 Heat Sinks. Unused and used. $19 obo Will use 9 lbs.
as SW.
http://www.muchstuff.com/4-21-11/hs1.jpg
http://www.muchstuff.com/4-21-11/hs2.jpg

5 sets (male & female) military style connectors. Used.
$12. Will use 5 lbs as SW.
http://www.muchstuff.com/4-21-11/milcon.jpg

11 working speakers (6 unused, 5 used) the 3 with the
big magnets are new. $40 obo. Will use 10 lbs. as SW
http://www.muchstuff.com/4-21-11/11sp.jpg

30 variable capacitors. Unused and used. $35 obo.
Will use 6 lbs as SW.
http://www.muchstuff.com/4-21-11/30vcaps.jpg

22 variable capacitors. Unused and used. $ 18 obo.
Will use 5 lbs. as SW.
http://www.muchstuff.com/4-21-11/22vcaps.jpg

48 trimmers and padders. Mostly unused. $15.
Will use 1.5 lbs. as SW.
http://www.muchstuff.com/4-21-11/48trim.jpg

Eugene Rippen, WB6SZS
Auburn, CA 95603

335. SEXY VIDEOS YOU MUST SEE MASALA HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-22 01:04:00 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <989e409e-e43a-42d3-a760-f569f2c252c9@r4g2000prm.googlegroups.com>
Source record: 945

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

336. HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-22 15:32:50 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <21f71b5b-09e8-4f3b-999e-b5e78b75568a@i39g2000prd.googlegroups.com>
Source record: 946

hot katrina kaif wallpapers
http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
new hot sruthi hassan stills
http://cinyworld96.blogspot.com/2011/03/shruthi-hassan.html
namitha hot sexy stills
http://cinyworld96.blogspot.com/2011/04/namitha.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
hot tamanna sexy wallpapers
http://cinyworld96.blogspot.com/2011/04/tamanna.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
diya mirza sexy photos
http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html
pranitha in half saree
http://cinyworld96.blogspot.com/2011/03/pranitha.html
richa saree stills
http://cinyworld96.blogspot.com/2011/03/richa-gangopadyay.html

337. free shipping paypal payment wholesale CLOTHING jacket T-shirt long sleeve suit and hoody(Franklin Marshall,Monclereiderdown,nike,adidas,a&f,d&g,ed harday,bape,bbc,lv,gucci,armani,polo, poul smith and so on)

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-23 07:38:21 UTC
From: christinapolo08@163.com
Message-ID: <4d294248-8dc2-470c-81a5-48f031a23ec1@w14g2000prc.googlegroups.com>
Source record: 947
Cross-posted to: rec.radio.amateur.homebrew,rec.puzzles.crosswords

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Handbags,Purse,Chanel,Coach,PRADA,JUICY,D&G,Dior,LV,VERSACE,etc.All
Wholesale On Site : www.idesigerworld02.com Exempt Freight

Handbags

AAA True Leather

Burberry Handbags wholesaler
Balenciaga Handbags wholesaler (www.idesigerworld02.com) - (paypal
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Balenciaga Purse wholesaler
Bally Purse wholesaler
BOSS Purse wholesaler (www.idesigerworld02.com) - (paypal
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Chanel Handbags wholesaler
Chanel Purse wholesaler
Chloe Handbags wholesaler (www.idesigerworld02.com) - (paypal
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Chloe Purse wholesaler
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Coach Purse wholesaler
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Dior Handbags wholesaler
Dunhill Purse wholesaler
Gucci Handbags wholesaler (www.idesigerworld02.com) - (paypal
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Hermes Purse wholesaler
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JIMMY CHOO Purse wholesaler
LV Handbags wholesaler (www.idesigerworld02.com) - (paypal payment)
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PRADA Purse wholesaler
Valentnv Handbags wholesaler (www.idesigerworld02.com) - (paypal payment)
D&G Handbags wholesaler
VERSACE Handbags wholesaler
Lancel Handbags wholesaler (www.idesigerworld02.com) - (paypal payment)

Purse

Anna Purse wholesaler
Ferragmo Purse wholesaler
burbetty Purse wholesaler
Chanel Purse wholesaler
Chloe Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
Coach Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
D&G Purse wholesaler
Dior Purse wholesaler
Dooney&Bourke Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
ED Purse wholesaler
Fendi Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
Gucci Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
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Guess Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
PRADA Purse wholesaler
Tous Purse wholesaler (www.idesigerworld02.com) - (paypal payment)
Versace Purse wholesaler
Miumiu Purse wholesaler (www.idesigerworld02.com) - (paypal payment)

Handbags

BOSS Handbag (www.idesigerworld02.com) - (paypal payment)
Burberry Handbags (www.idesigerworld02.com) - (paypal payment)
Chanel Handbags (www.idesigerworld02.com) - (paypal payment)
Chloe Handbags
Christian Audigier Handbags
Coach Handbags (www.idesigerworld02.com) - (paypal payment)
D&G Handbags
Dooney&Bourke Handbags (www.idesigerworld02.com) - (paypal payment)
ED Hardy Handbags
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Hermas Handbags
JIMMY CHOO Handbags
Juicy Handbags (www.idesigerworld02.com) - (paypal payment)
LV Handbags
Miu Miu Handbags (www.idesigerworld02.com) - (paypal payment)
Prada Handbags
Versace Handbags
Tous Handbag (www.idesigerworld02.com) - (paypal payment)

338. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-23 20:15:47 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <iovc1i$m1a$1@dont-email.me>
Source record: 948

Link to photo:
http://scharkalvin.weebly.com/hb100-home-brew-transceiver-front-panel.html

On 04/16/2011 10:12 PM, Kenneth Scharf wrote:
> Ever since I got my ham ticket (in 1970) I've always wanted to build a
> complete transceiver. (I DID build a Heathkit SB102). The project always
> seemed a bit too complex though. The problem was I couldn't build it a
> piece at a time, and be able to then put all the bits in a box. In order
> to do that I'd have to design the entire rig ahead of time so all the
> subsystems could have access to the panel for their controls.
>
> Fast forward. Today what with micro-controllers and control by wire
> parts (such as varicap diodes, digital pots, dds chips, etc) all the
> subsystems can go anywhere and you only have to have room in the box for
> all of them.
>
> I've started designing a home brew transceiver around a few modules I've
> seen on line and in various magazines. I've got a DDS-60 for my VFO and
> I'm programming an Atmel atmega32 processor to control it. A Bandpass
> filter design by PA3AKE using toroids, an IF amplifier by W7ZOI and
> WA7MLH using fets and bipolar transistors, and a product detector (from
> a direct conversion receiver) by KK7B will form the basis for the
> receiver. I have some 9 mhz if filters purchased at Dayton many years
> ago. The transmitter stages will be based on 'stock' HB circuits. Later
> I might add KK7P's DSP unit with the PicaStar software.
>
> So far I have the DDS working and I've built the KK7B product detector
> and audio filter board. I still have to build his audio amplifier
> circuit (I divided the project into two circuit boards). I started
> working on a cabinet to house the completed rig in. I had a nice surplus
> cabinet purchased in NYC back in the 1970's in my junk box just waiting
> for a project. Over the past two weeks I've been cutting openings in the
> front panel for the controls, LCD, and keypad. I still have to repaint
> the panel and the cabinet (40 years of storage hasn't helped the finish!).
>

339. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-23 20:42:33 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <iovdjp$a1m$1@dont-email.me>
Source record: 949

I've also posted some info on the kitsandparts forum
http://kitsandparts.com/fluxbb/viewtopic.php?pid=1061#p1061

On 04/16/2011 10:12 PM, Kenneth Scharf wrote:
> Ever since I got my ham ticket (in 1970) I've always wanted to build a
> complete transceiver. (I DID build a Heathkit SB102). The project always
> seemed a bit too complex though. The problem was I couldn't build it a
> piece at a time, and be able to then put all the bits in a box. In order
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> for a project. Over the past two weeks I've been cutting openings in the
> front panel for the controls, LCD, and keypad. I still have to repaint
> the panel and the cabinet (40 years of storage hasn't helped the finish!).
>

340. BEST HOT VIDEO WATCH HERE MODLES HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-24 05:00:19 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <956d40c6-30fe-4fb2-b5f2-e131a85c245f@q12g2000prb.googlegroups.com>
Source record: 950

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

341. Re: My latest homebrew project....

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-24 12:04:47 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <05KdnT_EZJR9jCnQnZ2dnUVZ_sCdnZ2d@bright.net>
Source record: 851

On 4-23-2011 20:15, Kenneth Scharf wrote:
>
> Link to photo:
> http://scharkalvin.weebly.com/hb100-home-brew-transceiver-front-panel.html

Lookin' gooood! :)

342. ADULT SEX PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-24 14:10:25 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <20f0ed86-2557-4f4f-b3dc-286c8e26ab78@l2g2000prg.googlegroups.com>
Source record: 852

hot katrina kaif wallpapers
http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
namitha hot sexy stills
http://cinyworld96.blogspot.com/2011/04/namitha.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
hot tamanna sexy wallpapers
http://cinyworld96.blogspot.com/2011/04/tamanna.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
diya mirza sexy photos
http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html
pranitha in half saree
http://cinyworld96.blogspot.com/2011/03/pranitha.html
richa saree stills
http://cinyworld96.blogspot.com/2011/03/richa-gangopadyay.html
new hot sruthi hassan stills
http://cinyworld96.blogspot.com/2011/03/shruthi-hassan.html

343. Great Property For Sale!!!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-25 17:33:27 UTC
From: Grid Rock <gridrock214@gmail.com>
Message-ID: <bc1019a1-b178-4095-a74b-9759c2c8e513@18g2000prd.googlegroups.com>
Source record: 853

4227 S Benton Avenue, Kansas City, MO 64130 -- Jackson County

Property Characteristics:
Neighborhood: Oak Park Southwest
3 Br/1 Bath
1392 SF/ Single Family
Built: 1914
Sales Price: $33,500.00

Main Floor - Entry, Living/Dining, Kitchen, Bedroom 1
Upper Floor - Bedroom 2, Master Bedroom, Sunroom
Basement - (Unfinished) Utility Space

Construction: Wood Frame
Roof: Composite Shingle Basement: Stone
Utilities: City Heating: Forced Air/Fireplace
Cooling: Air Conditioner (new), Ceiling Fan

We also have properties below Market Value that we need to sell
quickly. You may use it to rent out or to improve and resell--it's up
to you. It is priced for a quick close with cash or hard money.

If you're interested, please visit the website below:

http://gridrockhousedeals.com

We also have great turnkey cashflow properties in other market areas.
These properties sell quickly, so click or call us now!

Please contact
Tim-602.539.9716 or
Tina-816.339.4939 at any time of the day or
Email gridrock214@gmail.com

344. HOT HOT HOT

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-26 05:07:02 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <118e2757-f4e7-4b37-8c16-1cda69ca3f75@k3g2000prl.googlegroups.com>
Source record: 854

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http://cinyworld96.blogspot.com/2011/04/kajal-agarwal.html
asin hot photos & videos
http://cinyworld96.blogspot.com/2011/04/asin.html
hot katrina kaif wallpapers
http://cinyworld96.blogspot.com/2011/03/katrina-kaif.html
namitha hot sexy stills
http://cinyworld96.blogspot.com/2011/04/namitha.html
deepika padukone new stills
http://cinyworld96.blogspot.com/2011/03/deepika-padukone.html
hot tamanna sexy wallpapers
http://cinyworld96.blogspot.com/2011/04/tamanna.html
beautiful aishwariya rai
http://cinyworld96.blogspot.com/2011/03/aishwariya-rai.html
diya mirza sexy photos
http://cinyworld96.blogspot.com/2011/03/diya-mirza.html
stunning beauty sneha
http://cinyworld96.blogspot.com/2011/03/sneha.html
unbelivable iliyana photos
http://cinyworld96.blogspot.com/2011/03/iliyana.html
priyamani beautiful stills
http://cinyworld96.blogspot.com/2011/03/priyamani.html
pranitha in half saree
http://cinyworld96.blogspot.com/2011/03/pranitha.html
richa saree stills
http://cinyworld96.blogspot.com/2011/03/richa-gangopadyay.html
new hot sruthi hassan stills
http://cinyworld96.blogspot.com/2011/03/shruthi-hassan.html

345. HOT PEOPLE HOT AND SEXY VIDEOS FOR U SEE AND ENJOY

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-26 05:30:04 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <eb5407d9-96cf-40d8-97d7-deca26d82e72@r35g2000prj.googlegroups.com>
Source record: 855

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

346. Re: Great Property For Sale!!!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-28 06:38:36 UTC
From: Speagle <none@none.org>
Message-ID: <ipb21csfc1@news.albasani.net>
Source record: 856

On Mon, 25 Apr 2011 10:33:27 -0700, Grid Rock wrote:

> 4227 S Benton Avenue, Kansas City, MO 64130 -- Jackson County
>
> Property Characteristics:
> Neighborhood: Oak Park Southwest
> 3 Br/1 Bath
> 1392 SF/ Single Family
> Built: 1914
> Sales Price: $33,500.00
>
> Main Floor - Entry, Living/Dining, Kitchen, Bedroom 1 Upper Floor -
> Bedroom 2, Master Bedroom, Sunroom Basement - (Unfinished) Utility Space
>
> Construction: Wood Frame
> Roof: Composite Shingle Basement: Stone Utilities: City Heating: Forced
> Air/Fireplace Cooling: Air Conditioner (new), Ceiling Fan
>
> We also have properties below Market Value that we need to sell quickly.
> You may use it to rent out or to improve and resell--it's up to you.
> It is priced for a quick close with cash or hard money.
>
> If you're interested, please visit the website below:
>
> http://gridrockhousedeals.com
>
> We also have great turnkey cashflow properties in other market areas.
> These properties sell quickly, so click or call us now!
>
> Please contact
> Tim-602.539.9716 or
> Tina-816.339.4939 at any time of the day or Email gridrock214@gmail.com

WOW! A murder house! Funny you are asking so much for it. Does it come
with a crack kitchen?

347. TV-Scientifique

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-28 21:08:15 UTC
From: Eugene <eugene_77@live.com>
Message-ID: <5Hkup.3524$I17.2405@newsfe03.iad>
Source record: 857

HOT HOT HOT

Homebrew Radio Blog

348. Re: N to 3/8-24

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-29 17:02:10 UTC
From: Tom Horne <hornetd@gmail.com>
Message-ID: <86483573-b2d4-4e02-bc42-3cf217d9df4e@k25g2000yqf.googlegroups.com>
Source record: 858

On Mar 21, 6:35 pm, davidmylastn...@acm.org (David Griffith) wrote:
> I'd like to modify an Arrow OSJ 146/440 to use an N connector instead of
> SO239. This would require an N-to-3/8"-24 stud. Allen Lowe hasn't
> heard of such a thing, which is why he doesn't offer that antenna with
> an N-connector. Does anyone here know if such a beast exists? What
> would it take to have some of these custom made?
>
> --
> David Griffith
> davidmylastn...@acm.org   <--- Put my last name where it belongs

What you may want to consider is a type N pigtail terminated with the
correct size of ring terminal. Add a wire mesh grip strain relief and
you'd have a pretty solid installation.
Alternatively you could mount a type N chassis connector to an angle
bracket and wire the center pin to a plain 3/8 24 stud insulated
stud.
--
Tom Horne, W3TDH

349. GOOD STUDY MATERIAL

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-04-30 07:16:02 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <5f4c7e94-10d8-47e3-89e7-32f673b20256@22g2000prx.googlegroups.com>
Source record: 859

GOOD STUDY MATERIAL FOR KIDS
http://studymaterialforu.blogspot.com
UNIX INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/unix-interview-questions.html
JAVA INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/java-interview-questions.html
C ++ INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/c-interview-questions.html
CIVILS INTERCIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/civils-interview-questions-and-answers.html
DIGITAL LOGIC INTERCIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/digital-logic-design-interview.html
MICROPROCESSOR INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/microprocessor-interview-questions.html

350. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-01 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1304229601@panix.com>
Source record: 860
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

351. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-07 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1304748300@panix.com>
Source record: 861
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

352. Will Osama bin Laden become another Joan of Arc?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-07 10:56:43 UTC
From: fitz <zeusrdx@yahoo.com>
Message-ID: <07affd95-2fd8-4255-a0e5-25c5eca94bbf@p7g2000yqd.googlegroups.com>
Source record: 862

Will Osama bin Laden become another Joan of Arc?

(Click blue link to read "Will Osama bin Laden become another Joan of Arc?" - It's FREE.}

http://www.rbduncan.com/joan-d-arc.htm

353. HOT COUPLE MID NIGHT VIDEOS N PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-07 11:34:57 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <3b63d0f8-b0ac-47c4-ba82-3cc692ff35ba@q12g2000prb.googlegroups.com>
Source record: 863

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

for more hot videos

http://videosonblog.blogspot.com/2010/11/masala-videos.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html

dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

354. Re: Will Osama bin Laden become another Joan of Arc?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-07 13:37:21 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <iq3hunjrp1@dont-email.me>
Source record: 864

```
On 7/05/2011 8:56 PM, fitz wrote:
> Will Osama bin Laden become another Joan of Arc?
>
> (Click blue link to read "Will Osama bin Laden become another Joan of
> Arc?" - It's FREE.}
>
> http://www.rbduncan.com/joan-d-arc.htm
>
>
He will be awfully hard to light be 200 fathoms down

--
X-No-Archive: Yes
```

355. Re: Will Osama bin Laden become another Joan of Arc?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-07 17:55:15 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <iq4127$9rg$1@dont-email.me>
Source record: 865

On 05/07/2011 06:56 AM, fitz wrote:
> Will Osama bin Laden become another Joan of Arc?
>
> (Click blue link to read "Will Osama bin Laden become another Joan of
> Arc?" - It's FREE.}
>
> http://www.rbduncan.com/joan-d-arc.htm
>
>
The very idea that most Moslems think of Bin Laden as a hero is crazy. He has caused the death of more Moslems than their "enemies". After the Navy Seals left with Bin Laden's body the US requested instructions from the Saudis about what to do with his remains. We offered to have it returned to them for proper burial. They didn't want ANYTHING to do with him and told us to do what we thought proper. The Navy buried him at sea with proper respect and with Muslem prayers (as correctly as they knew how).

356. GOOD STUDY MATERIAL

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-08 11:36:48 UTC
From: sowmya <sowmya9030@gmail.com>
Message-ID: <11e80311-a1cc-4441-8052-9eb821862e82@k3g2000prl.googlegroups.com>
Source record: 866

GOOD STUDY MATERIAL FOR KIDS
http://studymaterialforu.blogspot.com
UNIX INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/unix-interview-questions.html
JAVA INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/java-interview-questions.html
C ++ INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/c-interview-questions.html
CIVILS INTERCIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/civils-interview-questions-and-answers.html
DIGITAL LOGIC INTERCIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/digital-logic-design-interview.html
MICROPROCESSOR INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/microprocessor-interview-questions.html

357. Re: Will Osama bin Laden become another Joan of Arc?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-09 17:07:19 UTC
From: PA5TIG <pa5tig@amsat.org>
Message-ID: <4dc81f2e$0$3800$bf4948fe@news.tele2.nl>
Source record: 867

hopefully not as popular as Ch Guevara.

"fitz" <zeusrdx@yahoo.com> schreef in bericht
news:07affd95-2fd8-4255-a0e5-25c5eca94bbf@p7g2000yqd.googlegroups.com...
> Will Osama bin Laden become another Joan of Arc?
>
> (Click blue link to read "Will Osama bin Laden become another Joan of
> Arc?" - It's FREE.}
>
> http://www.rbduncan.com/joan-d-arc.htm
>
>

358. Re: WiFi antenna recommendations?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-10 22:05:32 UTC
From: moronsbegone <NoThanx@never.org>
Message-ID: <Xns9EE1ADDEF2C60notnowneverorg@127.0.0.1>
Source record: 868
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.homebrew,alt.internet.wireless

Jeff Liebermann <jeffl@cruzio.com> wrote in
news:rkoli4dv240dua688aajl5eqmf27sdlphj@4ax.com:

> However, he stupidly told all his friends, who immediately
> abused the system, so I locked it up with a WPA password.

Real easy to crack, google BackTrack 3 and weep. I preffer
cracking them for it is assured there is not much traffic on the
WEP and WPK pretected WiFi's .

--
May You reep the poverrty You have Voted for.

359. Re: Will Osama bin Laden become another Joan of Arc?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-11 11:14:11 UTC
From: david <none@nospam.com>
Message-ID: <iqdr23lpf2@dont-email.me>
Source record: 869

On Sat, 07 May 2011 13:55:15 -0400, Kenneth Scharf rearranged some
electrons to say:

> On 05/07/2011 06:56 AM, fitz wrote:
>> Will Osama bin Laden become another Joan of Arc?
>>
>> (Click blue link to read "Will Osama bin Laden become another Joan of
>> Arc?" - It's FREE.}
>>
>> http://www.rbduncan.com/joan-d-arc.htm
>>
>>
> The very idea that most Moslems think of Bin Laden as a hero is crazy.
> He has caused the death of more Moslems than their "enemies". After the
> Navy Seals left with Bin Laden's body the US requested instructions from
> the Saudis about what to do with his remains. We offered to have it
> returned to them for proper burial. They didn't want ANYTHING to do
> with him and told us to do what we thought proper. The Navy buried him
> at sea with proper respect and with Muslem prayers (as correctly as
> they knew how).

New drink in NY bars is the OSAMA: two shots and a splash.

360. Re: Sharing Internet Connection

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-11 16:21:56 UTC
From: moronsbegone <NoThanx@never.org>
Message-ID: <Xns9EE2739DFE831notnowneverorg@127.0.0.1>
Source record: 870
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.homebrew,rec.radio.amateur.misc

"Sal M. Onella" <salmonella@food.poisoning.org> wrote in
news:dg3ql.51296$uG1.45551@newsfe16.iad:

>
> "Highland Ham" <rfburns@allbands.net> wrote in message
> news:XMydnYUINNcDVzrUnZ2dnUVZ8omWnZ2d@pipex.net...
>
>> In the end it all boils down to : Trust thy neigbour.
>> Also ,there is no life without risk.
>>
>> Frank GM0CSZ / KN6WH
>
> Glory be to God! I failed absolutely!
>
> No, no NO! What I said was: Do NOT trust your neighbor
> with your Internet connection. He is not as concerned with
> keeping you out of prison as you would want him to be if
> you are a freedom-loving soul. His misdeeds (or the
> misdeeds of people who have access to his computer,
> connected wirelessly to your 802.11 Internet connection)
> will be blamed on you. He does the deed -- you get the
> beating.
>
> If there is no life without risk, go down to the packing
> plant and stick your dick in the pickle slicer. Maybe
> nothing will happen.
>
> ;-)
> "Sal"
> (KD6VKW, a Lowland Ham -- 458 ft AMSL and hoping for not
> very much sea level rise)
>
>
>

This thread's gone to the Natzi's of Hitler. WOOOOOPS there
goes this thread .

--
May You reep the poverrty You have Voted for.

361. Waterfall recording on DL4YHF "Spectrum Lab" software?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-14 23:41:10 UTC
From: Joerg <invalid@invalid.invalid>
Message-ID: <938i8tFr0tU1@mid.individual.net>
Source record: 871

Question to the VLF folks, regarding DL4YHF's software "Spectrum Lab":

Does anyone know how to write very long waterfall spectral recordings to a computer file but on a separate hard disk? In a way that they can later be read back in and looked at in their whole length, scrolling around between beginning and end.

If that is not possible, is there another software that can do this?

--
Regards, Joerg

http://www.analogconsultants.com/

"gmail" domain blocked because of excessive spam.
Use another domain or send PM.

362. The Boatanchor Classifieds, Boatanchor Auction!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-15 22:37:31 UTC
From: Jeff W2NBC <w2nbc@optonline.net>
Message-ID: <4dd055ac$0$9085$607ed4bc@cv.net>
Source record: 872

Hi All,

Dedicated to Vintage Amateur Radio and Shortwave radios:

The Boatanchor Classifieds-

http://www.dealamerica.com/deal/cgi-bin/ads/bcads.cgi

Boatanchor Auction!

http://www.dealamerica.com/deal/cgi-bin/boatanchor.cgi

Thank you for your support- Post some Ads!

363. TEST

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-16 11:07:47 UTC
From: Yobbarayson <yobba@ntlworld.com>
Message-ID: <aA7Ap.4090$8A7.1679@newsfe12.ams2>
Source record: 873

[No readable article body recovered]

364. Parts & gear this Sun 5/23/11 Sacramento meet

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-18 17:45:41 UTC
From: Eugene Rippen <soundval@muchstuff.com>
Message-ID: <Xns9EE96D77EEE73er7373@69.16.186.52>
Source record: 874

North Hills Ham Swap Meet will be at Natomas High School, Sacramento,
Sunday, May 22, 2011 at 7:30 AM.
For further info: http://www.k6is.org/hamfest11.pdf

LOTS OF PARTS!

I will be bringing, presuming no rain, a lot of PARTS and some SPEAKERS,
and the following GEAR at the APPROXIMATE PRICES. I will not discuss
these
before the Swap Meet:

Heathkit Apache TX-1 $95
Heathkit Mohawk RX-1 $195
Heathkit HW-101 $140
Heathkit HW-32A (20 M) with calibrator. No S deflection. VG $95.
Heathkit HW-22A (40 M) with calibrator. VG $95.
Heathkit HW-32A (20 M) VG. $70.
Heathkit HW-22 (40 M) VG. $75.
Heathkit HW-32 (20 M) Receives. No transmit. $20.
National NC-155 $140.
National NC-270 $160
Hallicrafters SX-23 VG & complete $500
Clegg Intercepter with the HF converter VG $355.
Clegg Zeus with the PS/Modulator untested. VG looking. $195
Hewlett-Packard 200-CD audio oscillator. $30.
Hallicrafters R-47 speaker. $30

See you there

Gene Rippen, WB6SZS

365. {{[[HOT GIRLS AND PORN WALLPAPER ONLY CLICK TO VIEW]]}}

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-20 14:38:15 UTC
From: ayesha <aghydgt@gmail.com>
Message-ID: <d95187f6-ea1e-4ab2-acf0-00c5e93e2927@s2g2000yql.googlegroups.com>
Source record: 875

Kisses wallpapers

http://hotwallpapers01.blogspot.com/2011/05/kissess-wallpapers.html
http://hotwallpapers01.blogspot.com/2011/05/kissess-wallpapers.html
http://hotwallpapers01.blogspot.com/2011/05/kissess-wallpapers.html

Angila juli hot wallpapers

http://hotwallpapers01.blogspot.com/2011/05/angilna-juli-wallpapers.html
http://hotwallpapers01.blogspot.com/2011/05/angilna-juli-wallpapers.html
http://hotwallpapers01.blogspot.com/2011/05/angilna-juli-wallpapers.html

hot and sexy wallpaper galamoues

http://hotwallpapers01.blogspot.com/2011/05/glemeours-wallpapers-04.html
http://hotwallpapers01.blogspot.com/2011/05/glemeours-wallpapers-04.html
http://hotwallpapers01.blogspot.com/2011/05/glemeours-wallpapers-04.html

Full sexey wallpapers

http://hotwallpapers01.blogspot.com/2011/05/glemeours-wallpapers-01.html
http://hotwallpapers01.blogspot.com/2011/05/glemeours-wallpapers-01.html
http://hotwallpapers01.blogspot.com/2011/05/glemeours-wallpapers-01.html

Pakistani hot girls

http://hotwallpapers01.blogspot.com/2011/05/pakistani-hot-girls.html
http://hotwallpapers01.blogspot.com/2011/05/pakistani-hot-girls.html
http://hotwallpapers01.blogspot.com/2011/05/pakistani-hot-girls.html

sexey Indian girls

http://hotwallpapers01.blogspot.com/2011/05/sexy-indian-girls-wallpapers.html
http://hotwallpapers01.blogspot.com/2011/05/sexy-indian-girls-wallpapers.html
http://hotwallpapers01.blogspot.com/2011/05/sexy-indian-girls-wallpapers.html

366. EchoLink Interface

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-23 20:48:54 UTC
From: Howard James <h.james.james@btinternet.com>
Message-ID: <b5qdnSImY5PfVUfQnZ2dnUVZ7vidnZ2d@bt.com>
Source record: 876

I'm building an EchoLink interface and one of the signals to the tranceiver
is COR.
What does COR stand for please?
I have no reference to COR in my Kenwood TS2000 manual. I suspect it may
have something to do with squelch.
Thanks.
Howard.

367. Re: EchoLink Interface

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-23 21:08:49 UTC
From: Dave M <dgminala4444@mediacombb.net>
Message-ID: <ceqdnY-tcop8UUfQnZ2dnUVZ_uqdnZ2d@giganews.com>
Source record: 877

Howard James wrote:
> I'm building an EchoLink interface and one of the signals to the
> tranceiver is COR.
> What does COR stand for please?
> I have no reference to COR in my Kenwood TS2000 manual. I suspect it
> may have something to do with squelch.
> Thanks.
> Howard.

COR = Carrier Operated Relay
A signal used in a repeater to indicate that a carrier is being received.
Used to be a common signal in old tube-type equipment, where the receiver
and transmitters were controlled by relays. Modern solid-state equipment
doesn't have a COR signal... it's usually a logic-level signal from the
squelch circuit that indicates that the receiver has detected a carrier.

--
David
dgminala at mediacombb dot net

368. Re: EchoLink Interface

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-23 21:21:52 UTC
From: dplatt@radagast.org
Message-ID: <govqa8-s79.ln1@radagast.org>
Source record: 878

In article <b5qdnSImY5PfVUfQnZ2dnUVZ7vidnZ2d@bt.com>,
Howard James <h.james.james@btinternet.com> wrote:

>I'm building an EchoLink interface and one of the signals to the tranceiver
>is COR.

>What does COR stand for please?

>I have no reference to COR in my Kenwood TS2000 manual. I suspect it may
>have something to do with squelch.

COR is (I believe) an acronym for "Carrier Operated Relay", and is
often referred to these days as "COS" ("Carrier Operated Squelch").

It's a signal which comes from a receiver of some sort, which means
"I'm detecting a sufficiently strong carrier to 'believe' that there
is an incoming signal of some sort."

Just what this signal actually indicates, depends on the radio. It
might be from RF detection in the front end, or be based on the
S-meter circuitry in an FM limiter/discriminator, or might be based on
a reduction in the noise level in the signal coming out of the FM
discriminator (the latter is most common in VHF FM radios).

In the case of a COR signal coming out of an Echolink or similar
interface, it would be controlled by software, and I'd imagine that it
probably means "We're receiving incoming audio packets via the
Ethernet." You'd feed it (possibly with inversion and/or buffering)
to the PTT input to your transceiver.

If it's intended as an *input* to the Echolink interface, then it
would probably be connected to a "signal arriving, speaker on!" output
from your transceiver... but most transceivers don't have one of these.

--
Dave Platt <dplatt@radagast.org> AE6EO
Friends of Jade Warrior home page: http://www.radagast.org/jade-warrior
I do _not_ wish to receive unsolicited commercial email, and I will
boycott any company which has the gall to send me such ads!

369. Re: EchoLink Interface

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-23 22:14:28 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <PeCdnag7rZvYQUfQnZ2dnUVZ_j2dnZ2d@bright.net>
Source record: 879

On 5-23-2011 21:08, Dave M wrote:

>
>
> COR = Carrier Operated Relay
> A signal used in a repeater to indicate that a carrier is being received.
> Used to be a common signal in old tube-type equipment, where the receiver
> and transmitters were controlled by relays. Modern solid-state equipment
> doesn't have a COR signal... it's usually a logic-level signal from the
> squelch circuit that indicates that the receiver has detected a carrier.
>

Correct. Looking at a TS-2000 manual on line (I do not own a TS-2000),
I would say the signal you want is on the ACC2 port on the rear of the
radio and called MSQ. This pin goes to ground when the squelch is
opened and/or receiving a signal. It is an "open" when the audio is
squelched. If your Echolink interface is looking for a "ground" signal
to indicate the presence of RX audio, this pin should work as is. If
your interface needs a positive voltage during RX, then you would need
an NPN transistor used as an inverter.

N0EDV

370. TINACA HOT HOT VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-24 00:51:18 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <c136d4d2-afee-40f9-bec9-861d0f8bf332@l14g2000pro.googlegroups.com>
Source record: 880

for hot videos
http://verysexyhotvideos.blogspot.com/

hot lip kiss videos
http://allvideosforyouth.blogspot.com/2010/08/hot-lip-kiss-videos.html

super hot lip kiss
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

games

GAME 1
http://freeonlingamesplay.blogspot.com/2010/08/game-1.html
GAME 2
http://freeonlingamesplay.blogspot.com/2010/08/game-2.html

mobile

mobile games free download
http://mobileallinforation.blogspot.com/2010/08/mobile-games-free-download.html

mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

371. GOOD STUDY METERIAL

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-24 13:22:34 UTC
From: SRAVANTHI LOVE <sravanthi.sravya24@gmail.com>
Message-ID: <88b1e65a-bffa-4ea0-968b-b2fea99753b7@17g2000prr.googlegroups.com>
Source record: 881

GOOD STUDY MATERIAL FOR KIDS
http://studymaterialforu.blogspot.com
UNIX INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/unix-interview-questions.html
JAVA INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/java-interview-questions.html
C ++ INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/c-interview-questions.html
CIVILS INTERCIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/civils-interview-questions-and-answers.html
DIGITAL LOGIC INTERCIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/digital-logic-design-interview.html
MICROPROCESSOR INTERVIEW QUESTIONS
http://studymaterialforu.blogspot.com/2011/04/microprocessor-interview-questions.html

372. Re: EchoLink Interface

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-24 16:14:31 UTC
From: petem001@gmail.com
Message-ID: <irglhe$d8t$1@dont-email.me>
Source record: 882

Hi Howard

I strongly sujest to you to start reading the repeater builder mailling list and to go on there web page..

even if you dont whant to build a repeater you will learn a lot about signal type and there uses..

"Howard James" wrote in message news:b5qdnSImY5PfVUfQnZ2dnUVZ7vidnZ2d@bt.com...

I'm building an EchoLink interface and one of the signals to the tranceiver is COR.
What does COR stand for please?
I have no reference to COR in my Kenwood TS2000 manual. I suspect it may have something to do with squelch.
Thanks.
Howard.

373. Si535x clock generator chip vs. si570 series

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-25 14:41:29 UTC
From: Kendal Goodson <kendalg@yahoo.com>
Message-ID: <44ecfa1e-c1cb-41ce-9d51-cd3e59fd014c@p13g2000yqh.googlegroups.com>
Source record: 883

Hello all,

Has anybody yet played with or seen the Si535x clock generator chips that showed up in the new Mouser catalog? It's i2c programmable (like the si570) and I was thinking that it could be used in a similar fashion as the si570 usb controlled vfo's that seem to be so common on the internet. The 535x series can generate 3 (or 8) different simulaneous clocks at any one time and I see some advantages to that, i.e. downconverter oscillator + vfo + detector oscillator all in one 10 pin package. BUT, and there's always a but, the datasheet doesn't show how to set up the divider registers, instead referring you to a PC program that will generate programming for you.

Has anybody skinned this cat yet and figured out the register programming?

73,
Kenn
KA5KXW

374. Help Please -CA3458T

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-25 17:13:43 UTC
From: Hello.com
Message-ID: <LMOdnXL_H5VRpUDQnZ2dnUVZ_qudnZ2d@giganews.com>
Source record: 884

Looking for a CA3458T opamp or equiv...

Fixing an HP power supply, need one, would like to purchase 2 or 3.

Thanks,
Emil
W9NM

_____ Information from ESET Smart Security, version of virus signature database 6151 (20110525) _____

The message was checked by ESET Smart Security.

http://www.eset.com

375. Re: Help Please -CA3458T

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-25 20:08:16 UTC
From: Dave M <dgminala4444@mediacombb.net>
Message-ID: <EJCdnewIxr8t_EDQnZ2dnUVZ_sqdnZ2d@giganews.com>
Source record: 885

Hello.com wrote:
> Looking for a CA3458T opamp or equiv...
>
> Fixing an HP power supply, need one, would like to purchase 2 or 3.
>
> Thanks,
> Emil
> W9NM
>

The MC1558, LM1558 and uA1558 are subs for the CA3458. The T suffix probably indicates that it's in a metal TO5 can. If so, you might have to get a type 1458 chip in a metal case. Unicorn Electronics (http://www.unicornelectronics.com/IC/LINEAR.html) has the LM1458H in a metal can. Same chip, just commercial temperature range rather than the Industrial temp range.

--
David
dgminala at mediacombb dot net

376. Re: Help Please -CA3458T

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-25 20:37:31 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1105251635570.13653@darkstar.example.net>
Source record: 886

On Wed, 25 May 2011, Dave M wrote:

> Hello.com wrote:
>> Looking for a CA3458T opamp or equiv...
>>
>> Fixing an HP power supply, need one, would like to purchase 2 or 3.
>>
>> Thanks,
>> Emil
>> W9NM
>>
>
> The MC1558, LM1558 and uA1558 are subs for the CA3458. The T suffix
> probably indicates that it's in a metal TO5 can. If so, you might have to
> get a type 1458 chip in a metal case. Unicorn Electronics
> (http://www.unicornelectronics.com/IC/LINEAR.html) has the LM1458H in a
> metal can. Same chip, just commercial temperature range rather than the
> Industrial temp range.
>
But then it's a fairly standard dual op-amp. I can never remember the RCA prefixes, I was thinking he was looking for a CMOS era op-amp.

Given it is then a fairly generic op-amp, ie no high speed characteristics or specially high input impedance, most generic op-amps would work.

Michael VE2BVW

377. Re: Help Please -CA3458T

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-25 21:20:30 UTC
From: Hello.com
Message-ID: <JZidnfJhEvI870DQnZ2dnUVZ_vydnZ2d@giganews.com>
Source record: 887

David, thanks very much for the help and the source info. And, yes, it is a
TO5 metal can.

Emil

"Dave M" <dgminala4444@mediacombb.net> wrote in message
news:EJCdnewIxr8t_EDQnZ2dnUVZ_sqdnZ2d@giganews.com...
> Hello.com wrote:
>> Looking for a CA3458T opamp or equiv...
>>
>> Fixing an HP power supply, need one, would like to purchase 2 or 3.
>>
>> Thanks,
>> Emil
>> W9NM
>>
>
> The MC1558, LM1558 and uA1558 are subs for the CA3458. The T suffix
> probably indicates that it's in a metal TO5 can. If so, you might have to
> get a type 1458 chip in a metal case. Unicorn Electronics
> (http://www.unicornelectronics.com/IC/LINEAR.html) has the LM1458H in a
> metal can. Same chip, just commercial temperature range rather than the
> Industrial temp range.
>
> --
> David
> dgminala at mediacombb dot net
>
>
>
>
> _____ Information from ESET Smart Security, version of virus
> signature database 6151 (20110525) _____
>
> The message was checked by ESET Smart Security.
>
> http://www.eset.com
>
>
>

_____ Information from ESET Smart Security, version of virus signature database 6151
(20110525) _____

The message was checked by ESET Smart Security.

http://www.eset.com

378. HOT

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-26 06:12:13 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <b395aef4-9b00-4b02-9b6a-9abdd67b09fe@q9g2000prg.googlegroups.com>
Source record: 888

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
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http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

379. Re: Si535x clock generator chip vs. si570 series

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-27 13:22:37 UTC
From: Kendal Goodson <kendalg@yahoo.com>
Message-ID: <ff00ce14-2c1e-4d1b-a4c7-26b049ddd04c@q12g2000prb.googlegroups.com>
Source record: 889

Good news! A new datasheet for this device appeared on the SI Labs
website today that details all of the registers!

On May 25, 9:41 am, Kendal Goodson <kend...@yahoo.com> wrote:
> Hello all,
>
> Has anybody yet played with or seen the Si535x clock generator chips
> that showed up in the new Mouser catalog? It's i2c programmable (like
> the si570) and I was thinking that it could be used in a similar
> fashion as the si570 usb controlled vfo's that seem to be so common on
> the internet. The 535x series can generate 3 (or 8) different
> simulaneous clocks at any one time and I see some advantages to that,
> i.e. downconverter oscillator + vfo + detector oscillator all in one
> 10 pin package. BUT, and there's always a but, the datasheet doesn't
> show how to set up the divider registers, instead referring you to a
> PC program that will generate programming for you.
>
> Has anybody skinned this cat yet and figured out the register
> programming?
>
> 73,
> Kenn
> KA5KXW

380. pic-a-star

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-28 17:58:34 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <irrd4c$6qn$1@dont-email.me>
Source record: 890

Anybody on this NG ever build one of G3XJP's picastar designs?
I was starting to design my own QRP rig based on some of W8DIZ's
(www.kitsandparts.com) circuits. I ended up ordering his toroid kits
for the WA2EBY IRF510 amplifier and the PA3AKE bandpass filter. I
already have a DDS-60 for my HFO and built an R1 receiver board to start
with a direct conversion receiver. I was going to expand that into a
transceiver using a 9mhz IF (I have some surplus filters) but then I ran
into the RadCom articles on the picastar transceiver. This may very
well end up being the poor man's K3! The only down side is having to
etch your own PC boards. VK3PE did have some factory made boards run
off, but I missed out on his last scheduled run, don't think he is going
to make anymore....

381. vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 12:23:11 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com>
Source record: 891

I want to replace the vr 0A3 tube used in the bias circuit of a 6146B amp with a 75V zener string. Can I just directly replace the tube with the diodes or will I need to make other modifications to the circuit?

Jimmie

382. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 14:45:05 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <irtm5i$dr9$1@dont-email.me>
Source record: 892

On 05/29/2011 08:23 AM, JIMMIE wrote:
> I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> amp with a 75V zener string. Can I just directly replace the tube with
> the diodes or will I need to make other modifications to the circuit?
>
> Jimmie
If you use diodes rated at the same current as the 0A3 (40ma) then it
should be a direct replacement, at least for a voltage regulator
application.

383. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 14:46:19 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <irtm7s$dr9$2@dont-email.me>
Source record: 893

On 05/29/2011 08:23 AM, JIMMIE wrote:
> I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> amp with a 75V zener string. Can I just directly replace the tube with
> the diodes or will I need to make other modifications to the circuit?
>
> Jimmie

Forgot one thing, with zeners the CATHODE of the diode is wired to the tube ANODE and visa versa (zeners work in the REVERSE mode!).

384. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 14:59:29 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <3846a2b4-23a9-4610-91f9-0b279b8b39a8@a7g2000vby.googlegroups.com>
Source record: 894

On May 29, 8:23 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> amp with a 75V zener string. Can I just directly replace the tube with
> the diodes or will I need to make other modifications to the circuit?
>
> Jimmie

Typical OA3 is idling with between 5 and 40mA of current flowing
through it, so make sure the zener string can dissipate the power.
(75V * 0.040A = 3 watts worst case, but I'd expect less idle current
in a grid bias regulator.).

If this is a major redesign you might want to use a solid state series
pass regulator (e.g. TL783 or the like) and probably get rid of that
old wirewound pot in the bias circuit.

0A3's are not unobtanium, rare, or expensive. I kinda like seeing VR
tubes around the PA, nice purple/pink glow dims and brightens as I
key, and if they're not glowing then something's wrong.

385. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 17:40:18 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <iru0e4$i41$1@dont-email.me>
Source record: 895

On 05/29/2011 10:59 AM, Tim Shoppa wrote:
> On May 29, 8:23 am, JIMMIE<JIMMIEDEE...@YAHOO.COM> wrote:
>> I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
>> amp with a 75V zener string. Can I just directly replace the tube with
>> the diodes or will I need to make other modifications to the circuit?
>>
>> Jimmie
>
> Typical OA3 is idling with between 5 and 40mA of current flowing
> through it, so make sure the zener string can dissipate the power.
> (75V * 0.040A = 3 watts worst case, but I'd expect less idle current
> in a grid bias regulator.).
>
> If this is a major redesign you might want to use a solid state series
> pass regulator (e.g. TL783 or the like) and probably get rid of that
> old wirewound pot in the bias circuit.
>
> 0A3's are not unobtanium, rare, or expensive. I kinda like seeing VR
> tubes around the PA, nice purple/pink glow dims and brightens as I
> key, and if they're not glowing then something's wrong.
The OA3 glows a bright orange since at 75 volts it would be using a pure
Neon gas mixture. The other tubes in the series add some Argon, with
the 0D3/VR150 being pure Argon. Argon glows blue to purple so the 0B3
and 0C3 tubes glow with a color somewhere in between orange and purple.

386. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 18:15:41 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <3bb46cee-f4bb-4280-96cf-3698cdcadb28@e26g2000vbz.googlegroups.com>
Source record: 896

On May 29, 10:59 am, Tim Shoppa <sho...@trailing-edge.com> wrote:
> On May 29, 8:23 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
>
> > I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > amp with a 75V zener string. Can I just directly replace the tube with
> > the diodes or will I need to make other modifications to the circuit?
>
> > Jimmie
>
> Typical OA3 is idling with between 5 and 40mA of current flowing
> through it, so make sure the zener string can dissipate the power.
> (75V * 0.040A = 3 watts worst case, but I'd expect less idle current
> in a grid bias regulator.).
>
> If this is a major redesign you might want to use a solid state series
> pass regulator (e.g. TL783 or the like) and probably get rid of that
> old wirewound pot in the bias circuit.
>
> 0A3's are not unobtanium, rare, or expensive. I kinda like seeing VR
> tubes around the PA, nice purple/pink glow dims and brightens as I
> key, and if they're not glowing then something's wrong.

It draws about 30ma calculated by measuring the voltage drop across
the series dropping resistor. Once in a while it arcs, I think. I
tried another tube and that seemed to fix it for a while but it
started up again. There is a posssibility this is not the problem but
for now it seems most likely. If I can easily replace it with a zener
string I could be more sure that it is or isnt the cause. Plan for now
is to put 5 15V 1 watt zeners on a tube base I can plug into the
existing socket and see what happens. If that is the cause I will
readily invest in another tube because I think they look cool too.

Jimmie

Jimmie

387. WORLD BEAUTIFUL PICS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-29 18:33:34 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <d4c0b30a-5b3a-4e3f-a0df-9ef2a0d6f325@r33g2000prh.googlegroups.com>
Source record: 897

FOR GOOD STUDY MATERIAL
http://studymaterialforu.blogspot.com

KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html
AISHWARYA RAI UNBELIVABLE PHOTO
http://southactresstou.blogspot.com/2011/05/aishwarya-rai.html
ANUSKHA IN A BEAUTIFUL SAREE
http://southactresstou.blogspot.com/2011/05/anushka-shetty.html
SEXY TAPSEE IN VEERA
http://southactresstou.blogspot.com/2011/05/tapsee.html
KAJAL IN BEAUTIFUL BLACK SAREE
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html
SNEHA SPICY PHOTOS
http://southactresstou.blogspot.com/2011/05/sneha.html
NAMITHA HOT PHOTS
http://southactresstou.blogspot.com/2011/05/namitha.html

388. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-30 23:20:01 UTC
From: coffelt2 <coffelt2@comcast.net>
Message-ID: <V8OdnUDHTty4u3nQnZ2dnUVZ5oednZ2d@giganews.com>
Source record: 898

"JIMMIE" <JIMMIEDEE123@YAHOO.COM> wrote in message
news:57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com...
>I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> amp with a 75V zener string. Can I just directly replace the tube with
> the diodes or will I need to make other modifications to the circuit?
>
> Jimmie

Don't know if I read all the responses, but I hope someone explained the need to provide a series current limiting resistor in the zener string. Something that would keep the no load current up near the top of the zener's operating range would be good.

Old Chief Lynn, W7LTQ

389. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 00:22:01 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <7ce77d25-949f-405b-a128-de6daed7a10a@c41g2000yqm.googlegroups.com>
Source record: 899

On May 30, 7:20 pm, "coffelt2" <coffe...@comcast.net> wrote:
> "JIMMIE" <JIMMIEDEE...@YAHOO.COM> wrote in message
>
> news:57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com...
>
> >I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > amp with a 75V zener string. Can I just directly replace the tube with
> > the diodes or will I need to make other modifications to the circuit?
>
> > Jimmie
>
> Don't know if I read all the responses, but I hope someone explained the
> need to provide a series current limiting resistor in the zener string.
> Something that would keep the no load current up near the top of the zener's
> operating range would be good.
>
> Old Chief Lynn, W7LTQ

Hey OM:
I take a DC supply from the filament voltage and use that to power a
programmable zener TL431. and use a FET to replace the OA3 driven by
the TL431.

I've replaced OA2's this way, all it takes is three 1/2 watt resistors
to set the voltage.

73 OM

de n8zu

390. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 00:56:42 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <8d03ea47-1543-46f0-ae71-cd80cc5a0614@z33g2000yqb.googlegroups.com>
Source record: 900

On May 30, 7:20 pm, "coffelt2" <coffe...@comcast.net> wrote:
> "JIMMIE" <JIMMIEDEE...@YAHOO.COM> wrote in message
>
> news:57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com...
>
> >I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > amp with a 75V zener string. Can I just directly replace the tube with
> > the diodes or will I need to make other modifications to the circuit?
>
> > Jimmie
>
> Don't know if I read all the responses, but I hope someone explained the
> need to provide a series current limiting resistor in the zener string.
> Something that would keep the no load current up near the top of the zener's
> operating range would be good.
>
> Old Chief Lynn, W7LTQ

Hey OM:

That resistor is part of the OA3 circuit. All you need is noisy zeners
that can handle the current. You would need 3 watts worth of zeners.
Three 25 volt 1 watt zeners, or five 15 volt 1 watt would give you
more head room. Or 15, 5 volt 1/2 watt zeners, or 1/4 watt. Put 15 SMD
5volt 1/4 watt zeners between the 2 pins on an octal plug, pin 2
connect the anode of the zener string and pin 5 connect the cathode of
the zener string. If you are lucky you can find a 5 watt 75 volt zener

73 OM

de n8zu

391. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 05:10:04 UTC
From: coffelt2 <coffelt2@comcast.net>
Message-ID: <b5WdnWdOIIKy5XnQnZ2dnUVZ5gudnZ2d@giganews.com>
Source record: 751

"raypsi" <rborowiak@gmail.com> wrote in message
news:8d03ea47-1543-46f0-ae71-cd80cc5a0614@z33g2000yqb.googlegroups.com...
On May 30, 7:20 pm, "coffelt2" <coffe...@comcast.net> wrote:
> "JIMMIE" <JIMMIEDEE...@YAHOO.COM> wrote in message
>
> news:57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com...
>
> >I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > amp with a 75V zener string. Can I just directly replace the tube with
> > the diodes or will I need to make other modifications to the circuit?
>
> > Jimmie
>
> Don't know if I read all the responses, but I hope someone explained the
> need to provide a series current limiting resistor in the zener string.
> Something that would keep the no load current up near the top of the
> zener's
> operating range would be good.
>
> Old Chief Lynn, W7LTQ

Hey OM:

That resistor is part of the OA3 circuit. All you need is noisy zeners
that can handle the current. You would need 3 watts worth of zeners.
Three 25 volt 1 watt zeners, or five 15 volt 1 watt would give you
more head room. Or 15, 5 volt 1/2 watt zeners, or 1/4 watt. Put 15 SMD
5volt 1/4 watt zeners between the 2 pins on an octal plug, pin 2
connect the anode of the zener string and pin 5 connect the cathode of
the zener string. If you are lucky you can find a 5 watt 75 volt zener

73 OM

de n8zu

GE raypsi,
Wow, what happens when one is asleep! "programmable zener TL431?" One
of the hundreds
of devices that have slipped under my radar!
Is it as noisy in operation as just a few zeners?
My experiences as are no doubt yours too, are that solid state devices
inserted into
vacuum tube perfected circuits just add to the noise generated by computers,
cell phones,
switching power supplies etc.
Do you then need two of those little stinkers (TL431) to come up with

drive for series
FET? (shooting for 75 or so volts, I take it) (or am I too old to understand solid state?)

TU RAYPSI

W7LTQ

392. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 11:44:37 UTC
From: Dave M <dgminala4444@mediacombb.net>
Message-ID: <jpqdnRTRMLA6SXnQnZ2dnUVZ_gOdnZ2d@giganews.com>
Source record: 752

coffelt2 wrote:
> "raypsi" <rborowiak@gmail.com> wrote in message
> news:8d03ea47-1543-46f0-ae71-cd80cc5a0614@z33g2000yqb.googlegroups.com...
> On May 30, 7:20 pm, "coffelt2" <coffe...@comcast.net> wrote:
>> "JIMMIE" <JIMMIEDEE...@YAHOO.COM> wrote in message
>>
>> news:57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com...
>>
>>> I want to replace the vr 0A3 tube used in the bias circuit of a
>>> 6146B amp with a 75V zener string. Can I just directly replace the
>>> tube with the diodes or will I need to make other modifications to
>>> the circuit?
>>
>>> Jimmie
>>
>> Don't know if I read all the responses, but I hope someone explained
>> the need to provide a series current limiting resistor in the zener
>> string. Something that would keep the no load current up near the
>> top of the zener's
>> operating range would be good.
>>
>> Old Chief Lynn, W7LTQ
>
> Hey OM:
>
>
> That resistor is part of the OA3 circuit. All you need is noisy zeners
> that can handle the current. You would need 3 watts worth of zeners.
> Three 25 volt 1 watt zeners, or five 15 volt 1 watt would give you
> more head room. Or 15, 5 volt 1/2 watt zeners, or 1/4 watt. Put 15 SMD
> 5volt 1/4 watt zeners between the 2 pins on an octal plug, pin 2
> connect the anode of the zener string and pin 5 connect the cathode of
> the zener string. If you are lucky you can find a 5 watt 75 volt zener
>
> 73 OM
>
> de n8zu
>
> GE raypsi,
> Wow, what happens when one is asleep! "programmable zener TL431?"
> One of the hundreds
> of devices that have slipped under my radar!
> Is it as noisy in operation as just a few zeners?
> My experiences as are no doubt yours too, are that solid state

> devices inserted into
> vacuum tube perfected circuits just add to the noise generated by
> computers, cell phones,
> switching power supplies etc.
> Do you then need two of those little stinkers (TL431) to come up
> with drive for series
> FET? (shooting for 75 or so volts, I take it) (or am I too old to
> understand solid state?)
>
> TU RAYPSI
>
> W7LTQ

Mouser stocks a 75V, 5W zener
(http://www.mouser.com/ProductDetail/ON-Semiconductor/1N5374BG/?qs=sGAEpiMZZMstCHp3EWKGl2gui9JjXqQ8miO99TtxueA%3d)
that should do the job. Cheap at $0.36 each.
http://www.mouser.com

You can also download the datasheet from that page.

--
David
dgminala at mediacombb dot net

393. WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 14:12:06 UTC
From: Art Sowers <arthures@mv.com>
Message-ID: <alpine.BSF.2.00.1105311008450.21370@schorl.mv.net>
Source record: 753
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

I'm interested in getting several of these filters (for the 75A4):

500 Hz, anything between up to but not including 3.1 kHz.

Need sources, prices.

Make reply post or send private email to the source of this post
(=arthures@mv.com)

Thanks.

394. Re: WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 15:18:04 UTC
From: kludge@panix.com
Message-ID: <is30rc$28t$1@panix2.panix.com>
Source record: 754
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Art Sowers <arthures@mv.com> wrote:
>
>I'm interested in getting several of these filters (for the 75A4):
>
>500 Hz, anything between up to but not including 3.1 kHz.
>
>Need sources, prices.

Rockwell-Collins still makes the size J filters. From the 2005 catalogue:

NSN Type Bandwidth
526-9089-000 F455J-31 2.8
526-9091-000 F455J-60 5.5
526-9154-000 F455J-05 0.38
526-9155-000 F455J-15 1.2
526-9156-000 F455J-21 2

You can also make adaptors out of perfboard to fit the PC board mount
filters onto a socket, if you find them at a hamfest.

Otherwise try collinsfilters@rockwellcollins.com.
--scott
--
"C'est un Nagra. C'est suisse, et tres, tres precis."

395. Re: WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 16:48:41 UTC
From: Art Sowers <arthures@mv.com>
Message-ID: <alpine.BSF.2.00.1105311247170.38094@schorl.mv.net>
Source record: 755
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On Tue, 31 May 2011, Scott Dorsey wrote:

> Art Sowers <arthures@mv.com> wrote:
>>
>> I'm interested in getting several of these filters (for the 75A4):
>>
>> 500 Hz, anything between up to but not including 3.1 kHz.
>>
>> Need sources, prices.
>
> Rockwell-Collins still makes the size J filters. From the 2005 catalogue:

How interesting!!!

>
> NSN Type Bandwidth
> 526-9089-000 F455J-31 2.8
> 526-9091-000 F455J-60 5.5
> 526-9154-000 F455J-05 0.38
> 526-9155-000 F455J-15 1.2
> 526-9156-000 F455J-21 2
>
> You can also make adaptors out of perfboard to fit the PC board mount
> filters onto a socket, if you find them at a hamfest.
>
> Otherwise try collinsfilters@rockwellcollins.com.

Thanks a lot!!!!

Art

> --scott
> --
> "C'est un Nagra. C'est suisse, et tres, tres precis."
>

396. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 21:23:05 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <2c825235-b781-48ed-b40c-75f0db25bd63@16g2000yqy.googlegroups.com>
Source record: 756

On May 31, 1:10 am, "coffelt2" <coffe...@comcast.net> wrote:
> "raypsi" <rborow...@gmail.com> wrote in message
>
> news:8d03ea47-1543-46f0-ae71-cd80cc5a0614@z33g2000yqb.googlegroups.com...
> On May 30, 7:20 pm, "coffelt2" <coffe...@comcast.net> wrote:
>
>
>
> > "JIMMIE" <JIMMIEDEE...@YAHOO.COM> wrote in message
>
> >news:57ab3071-86c7-4194-881b-1186ecb3b9c8@cu4g2000vbb.googlegroups.com...
>
> > >I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > > amp with a 75V zener string. Can I just directly replace the tube with
> > > the diodes or will I need to make other modifications to the circuit?
>
> > > Jimmie
>
> > Don't know if I read all the responses, but I hope someone explained the
> > need to provide a series current limiting resistor in the zener string.
> > Something that would keep the no load current up near the top of the
> > zener's
> > operating range would be good.
>
> > Old Chief Lynn, W7LTQ
>
> Hey OM:
>
> That resistor is part of the OA3 circuit. All you need is noisy zeners
> that can handle the current. You would need 3 watts worth of zeners.
> Three 25 volt 1 watt zeners, or five 15 volt 1 watt would give you
> more head room. Or 15, 5 volt 1/2 watt zeners, or 1/4 watt. Put 15 SMD
> 5volt 1/4 watt zeners between the 2 pins on an octal plug, pin 2
> connect the anode of the zener string and pin 5 connect the cathode of
> the zener string. If you are lucky you can find a 5 watt 75 volt zener
>
> 73 OM
>
> de n8zu
>
> GE raypsi,
> Wow, what happens when one is asleep! "programmable zener TL431?" One
> of the hundreds
> of devices that have slipped under my radar!

> Is it as noisy in operation as just a few zeners?
> My experiences as are no doubt yours too, are that solid state devices
> inserted into
> vacuum tube perfected circuits just add to the noise generated by computers,
> cell phones,
> switching power supplies etc.
> Do you then need two of those little stinkers (TL431) to come up with
> drive for series
> FET? (shooting for 75 or so volts, I take it) (or am I too old to understand
> solid state?)
>
> TU RAYPSI
>
> W7LTQ

Hey OT:

I used a programmable zener TL431 in an SMD package because in SMD they were 1%. Then I just use the math to figure the resistors to program it to the voltage for an OA2. I've replaced OA2's in 3 of my EICO 753's, along with the Zeners they use in the VFO, with TL431's. To wit all the TL431 is, is an 60db op amp with an internal temp stabilized zener. Without temp stabilization a straight zener will drift all over the place, with temp changes, I've seen 15 volt zeners go down to 12 volts when heated up. So that string of 5 zeners would get down to 60 volts when things get hot.
And as far as noise goes you can't use negative feedback in a zener. The noise goes back into the input of a TL431 and gets canceled out. You could let it go and just like a zener it would make a great noise bridge source.

The main issue is temperature compensation, a zener will go down in voltage when heated up, so if you use a zener you best put it in a temp controlled oven. And you can use a TL431 to control the temp. of that oven.

73 OT
de n8zu

397. Re: WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-05-31 22:20:46 UTC
From: kludge@panix.com
Message-ID: <is3pju$5st$1@panix2.panix.com>
Source record: 757
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Edmund H. Ramm <dk3uz@arrl.net> wrote:
>In <is30rc$28t$1@panix2.panix.com> kludge@panix.com (Scott Dorsey) writes:
>
>> Rockwell-Collins still makes the size J filters. From the 2005 catalogue:
>> [...]
>
> Dave Curry Longwave Product's mechanical filters (exact replacements
>for Collins ones) reportedly have less insertion loss and better skirts.
>See Electric Radio magazine for more info.

Does 'better' mean tighter or less ringing?

There are sure times when I wish I had a less nasty-sounding filter for
AM on the R-390.
--scott
--
"C'est un Nagra. C'est suisse, et tres, tres precis."

398. HOT COUPLE MID NIGHT VIDEOS N PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 00:55:21 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <a083a753-8829-44f5-b44f-03d6f891f6ee@d19g2000prh.googlegroups.com>
Source record: 758

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

399. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1306908001@panix.com>
Source record: 759
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

400. ! FREE e-books ! ---- MAGPUL INDUSTRIES has just paid to allow everyone to read Fitzpatrick's books FREE.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 12:01:53 UTC
From: fitz <zeusrdx@yahoo.com>
Message-ID: <d303339e-4708-4811-88af-a85741353226@c1g2000yqe.googlegroups.com>
Source record: 760

```
! FREE e-books ! ---- MAGPUL INDUSTRIES has just paid to allow
everyone to read Fitzpatrick's books FREE.

(Click blue link to read Fitzpatrick's books absolutely FREE.}

http://www.rbduncan.com/4.decades.htm
```

401. Re: WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 12:40:44 UTC
From: Art Sowers <arthures@mv.com>
Message-ID: <alpine.BSF.2.00.1106010821380.31531@schorl.mv.net>
Source record: 761
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On Tue, 31 May 2011, Scott Dorsey wrote:

> Edmund H. Ramm <dk3uz@arrl.net> wrote:
>> In <is30rc$28t$1@panix2.panix.com> kludge@panix.com (Scott Dorsey) writes:
>>
>>> Rockwell-Collins still makes the size J filters. From the 2005 catalogue:
>>> [...]
>>
>> Dave Curry Longwave Product's mechanical filters (exact replacements
>> for Collins ones) reportedly have less insertion loss and better skirts.
>> See Electric Radio magazine for more info.
>
> Does 'better' mean tighter or less ringing?
>
> There are sure times when I wish I had a less nasty-sounding filter for
> AM on the R-390.
> --scott

I'll have to put on my "to do" list that I need to search the web for sources of these filters (as well as ER magazine). And, see if Collins has a website of their own (I should have done that, too, but I have variable lazyness...and I'm not in a big hurry on this project).

I did send to that Collins email address a request for further information and have not, as yet, received an answer (I notice email responses to email queries can be all over the spectrum from minutes later to days later to no answer at all).

For a nice-sounding CW filter, I have used an audio frequency equalizer (picked up mine from a thrift store for $5, its a Realistic [Radio Shack] jobber). I max boost 500 Hz sliding pot on both channels, and max depress the pots on all other frequencies, and feed speaker output into input of one channel, output of that channel into input of the other channel, and run output of other channel into input of an amplifier driving either a speaker or earphones. Bandwidth "sounds" (not measured) like maybe about 300-400 Hz. The next frequencies above and below 500 Hz are 250 Hz and 1 kHz. I might get narrower if I boost at 250, etc, but tone is too low for my ears. I thought I wasn't getting any detectable ringing at all on this setup. The calibrations are max/min 12 db, so that should put unwanted frequencies down 24+ db per channel, or 48 db for both, no?

Scott, for AM on the R-390: are you sure its the filter? Not distortion in the audio string? Have you tried any other post detection path (eg. a separate receiver, even an old AM radio where you feet the 455 kc output from the R-390 to the input of the IF on the AM radio and see what audio

quality you can get? I'm not familiar with the R390 (does it have mechanical filters?).

> --
> "C'est un Nagra. C'est suisse, et tres, tres precis."
>

402. Re: WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 15:06:56 UTC
From: kludge@panix.com
Message-ID: <is5kig$1l2$1@panix2.panix.com>
Source record: 762
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

Art Sowers <arthures@mv.com> wrote:
>For a nice-sounding CW filter, I have used an audio frequency equalizer
>(picked up mine from a thrift store for $5, its a Realistic [Radio Shack]
>jobber). I max boost 500 Hz sliding pot on both channels, and max depress
>the pots on all other frequencies, and feed speaker output into input of
>one channel, output of that channel into input of the other channel, and
>run output of other channel into input of an amplifier driving either a
>speaker or earphones. Bandwidth "sounds" (not measured) like maybe about
>300-400 Hz. The next frequencies above and below 500 Hz are 250 Hz and
>1 kHz. I might get narrower if I boost at 250, etc, but tone is too low
>for my ears. I thought I wasn't getting any detectable ringing at all
>on this setup. The calibrations are max/min 12 db, so that should put
>unwanted frequencies down 24+ db per channel, or 48 db for both, no?

You might try setting the filters on the two ears a little bit different,
so that higher tones are to the right and lower tones are to the left. I
find this helps pick out signals from a pileup.

The filters on those cheap EQs are probably fairly wide; you can measure the
Q with a meter and a signal generator if you want to really know.

>Scott, for AM on the R-390: are you sure its the filter? Not distortion in
>the audio string? Have you tried any other post detection path (eg. a
>separate receiver, even an old AM radio where you feet the 455 kc output
>from the R-390 to the input of the IF on the AM radio and see what audio
>quality you can get? I'm not familiar with the R390 (does it have
>mechanical filters?).

There is lots of distortion in the audio string, although the line output
is definitely much cleaner than the speaker level output. However, there is
just outrageous amounts of ringing on the 8KC filter. If I go to the 16 KC
filter it's much cleaner but of course there's a wider bandwidth too.
--scott
--
"C'est un Nagra. C'est suisse, et tres, tres precis."

403. Re: WTB: Collins F455J-? Mechanical Filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 17:44:07 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <1239e5d8-3443-40b4-8e68-701937295902@17g2000prr.googlegroups.com>
Source record: 763
Cross-posted to: rec.radio.amateur.boatanchors,rec.radio.amateur.equipment,rec.radio.amateur.homebrew

On May 31, 7:12 am, Art Sowers <arthu...@mv.com> wrote:
> I'm interested in getting several of these filters (for the 75A4):
>
> 500 Hz, anything between up to but not including 3.1 kHz.
>
> Need sources, prices.
>
> Make reply post or send private email to the source of this post
> (=arthu...@mv.com)
>
> Thanks.

FWIW, I have an F 455 J 31 in front of me that I'd be happy to part with for any reasonable payment. As far as I know, it's in good condition, removed from (if I'm not mistaken) a Collins 490T HF avionics transceiver. I'd be happy to check it on an HP8753ES network analyzer to insure it's OK, if I find info on pin connections and in/out matching to the analyzer's 50+j0 ohms. I gather this is the one you _don't_ need, but perhaps someone else does. (Looks like probably pins 1&2, and 6&7, are the in/out...9 pin miniature tube base.)

Cheers,
Tom

404. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-01 18:54:18 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <3beaeec2-6a1c-477f-875f-8770e1ba9b4f@g24g2000vbz.googlegroups.com>
Source record: 764

On May 29, 2:15 pm, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> On May 29, 10:59 am, TimShoppa<sho...@trailing-edge.com> wrote:
>
>
>
>
>
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>
>
>
> > On May 29, 8:23 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
>
> > > I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > > amp with a 75V zener string. Can I just directly replace the tube with
> > > the diodes or will I need to make other modifications to the circuit?
>
> > > Jimmie
>
> > Typical OA3 is idling with between 5 and 40mA of current flowing
> > through it, so make sure the zener string can dissipate the power.
> > (75V * 0.040A = 3 watts worst case, but I'd expect less idle current
> > in a grid bias regulator.).
>
> > If this is a major redesign you might want to use a solid state series
> > pass regulator (e.g. TL783 or the like) and probably get rid of that
> > old wirewound pot in the bias circuit.
>
> > 0A3's are not unobtanium, rare, or expensive. I kinda like seeing VR
> > tubes around the PA, nice purple/pink glow dims and brightens as I
> > key, and if they're not glowing then something's wrong.
>
> It draws about 30ma calculated by measuring the voltage drop across
> the series dropping resistor. Once in a while it arcs, I think. I
> tried another tube and that seemed to fix it for a while but it
> started up again. There is a posssibility this is not the problem but
> for now it seems most likely. If I can easily replace it with a zener
> string I could be more sure that it is or isnt the cause. Plan for now
> is to put 5 15V 1 watt zeners on a tube base I can plug into the
> existing socket and see what happens. If that is the cause I will
> readily invest in another tube because I think they look cool too.

During transmission (modulation peaks?) the VR tube glow intensity
will change and even shift pattern from one part of the tube to others

with some hysteresis. This is normal. Arcing is not normal. But note that the glow and shadows might show some structure (kinda shadows and shadow edges) shifting as the current through the VR tube changes and maybe you suspect that is arcing?

Tim.

405. RARE HOT SEX PHOTOS & VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-02 16:51:28 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <530e73be-80b5-4aa9-a8b7-5a66d957345d@h36g2000pro.googlegroups.com>
Source record: 765

FOR GOOD STUDY MATERIAL
http://studymaterialforu.blogspot.com

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

FOR GOOD INFORMATION ABOUT INSURANCE
http://goodinsuranceplan.blogspot.com/

FOR HOT PHOTO&VIDEOS
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html
AISHWARYA RAI UNBELIVABLE PHOTO
http://southactresstou.blogspot.com/2011/05/aishwarya-rai.html
SEXY TAPSEE IN VEERA
http://southactresstou.blogspot.com/2011/05/tapsee.html
KAJAL IN BEAUTIFUL BLACK SAREE
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html

406. Killing an RF amp with high VSWR: Zl>Z0 vs. Zl<Z0?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-02 21:49:33 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <PzTFp.16090$Ky6.5035@en-nntp-16.dc1.easynews.com>
Source record: 766

Something I've wondered for awhile now is this: Since you get the same VSWR with a load both higher than or lower than your "expected" load (we'll call this Z0, and the actual load Zl), either Zl/Z0 or Z0/Zl respectively, is one siutation more likely to kill an amp than the other?

When Zl>Z0, you tend to (ignoring phase effects here) end up with a higher voltage sitting on the finals than when Zl=Z0... but less current than the matched case. With Zl<Z0, it's typically lower voltage but higher current. Based on what I know from, e.g., power supply design, there's usually more of a margain from overvoltage than there is from overcurrent, in that you can often find parts that inherently withstand a 2:1 or better overvoltage margain with just a bit of extra cost, whereas overcurrent will tend to overheat the power devices and getting rid of, e.g., 2-4x as much heat (vs. matched case) can require significantly greater heatsinking which often isn't cheap.

In the extreme case, I'd expect that far more amps will blow when shorted than when open-circuited. But I don't really have much experience in this area... so... could anyone comment on what you tend to see in real designs? Perhaps also compare and contrast tube-based amp with solid-state ones?

Thanks you,
---Joel

407. test

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-02 22:41:59 UTC
From: Chester Drorz <chester@virgin.com>
Message-ID: <_IUFp.39528$6K4.25150@newsfe14.ams2>
Source record: 767

. . .

408. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-02 23:09:56 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <292dd131-c1eb-41f8-9307-40ff5e8ec1a4@dn9g2000vbb.googlegroups.com>
Source record: 768

On Jun 1, 2:54 pm, Tim Shoppa <sho...@trailing-edge.com> wrote:
> On May 29, 2:15 pm, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
>
>
>
>
>
> > On May 29, 10:59 am, TimShoppa<sho...@trailing-edge.com> wrote:
>
> > > On May 29, 8:23 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
>
> > > > I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > > > amp with a 75V zener string. Can I just directly replace the tube with
> > > > the diodes or will I need to make other modifications to the circuit?
>
> > > > Jimmie
>
> > > Typical OA3 is idling with between 5 and 40mA of current flowing
> > > through it, so make sure the zener string can dissipate the power.
> > > (75V * 0.040A = 3 watts worst case, but I'd expect less idle current
> > > in a grid bias regulator.).
>
> > > If this is a major redesign you might want to use a solid state series
> > > pass regulator (e.g. TL783 or the like) and probably get rid of that
> > > old wirewound pot in the bias circuit.
>
> > > 0A3's are not unobtanium, rare, or expensive. I kinda like seeing VR
> > > tubes around the PA, nice purple/pink glow dims and brightens as I
> > > key, and if they're not glowing then something's wrong.
>
> > It draws about 30ma calculated by measuring the voltage drop across
> > the series dropping resistor. Once in a while it arcs, I think. I
> > tried another tube and that seemed to fix it for a while but it
> > started up again. There is a posssibility this is not the problem but
> > for now it seems most likely. If I can easily replace it with a zener
> > string I could be more sure that it is or isnt the cause. Plan for now
> > is to put 5 15V 1 watt zeners on a tube base I can plug into the
> > existing socket and see what happens. If that is the cause I will
> > readily invest in another tube because I think they look cool too.
>
> During transmission (modulation peaks?) the VR tube glow intensity
> will change and even shift pattern from one part of the tube to others
> with some hysteresis. This is normal. Arcing is not normal. But note
> that the glow and shadows might show some structure (kinda shadows and

> shadow edges) shifting as the current through the VR tube changes and
> maybe you suspect that is arcing?
>
> Tim.- Hide quoted text -
>
> - Show quoted text -

I put a neon bulb across the dropping resistor, well across a piece of the dropping resistor. I used a photo transistor to couple to my counter. Over a 12 hour peiod I got 10 to 15 hits. With the Zeners in place I havent had any.. First noticed the problem when the plate current meter on my amp went from 0 to full scale just setting on the bench. Bias supply is set up so unless the amp is keyed it has the full -75V on the grids cutting the amp off when keyed it drops to about -45. When I caught it on my storage scope it was about -18v. I like the VR tubes too, now that I am more certain thats whats causing the problem I dont mind ordering a couple more VR tubes. Before I order new ones I am thinking of trying the same monitoring setup again with the tube in place but this time changing the bias adjust pot. That would be the only thing I havent checked. I hate intermittent problems like this.

Jimmie

409. Re: Killing an RF amp with high VSWR: Zl>Z0 vs. Zl<Z0?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-03 22:05:42 UTC
From: "i3hev, mario" <marioheld@tiscali.it>
Message-ID: <4de95ab7$0$16648$5fc30a8@news.tiscali.it>
Source record: 769

Joel Koltner wrote:

> Something I've wondered for awhile now is this: Since you get the same
> VSWR with a load both higher than or lower than your "expected" load
> (we'll call this Z0, and the actual load Zl), either Zl/Z0 or Z0/Zl
> respectively, is one siutation more likely to kill an amp than the other? ...

A fairly tricky question :)

You are right that voltage margin is usually less expensive to obtain
than current margin, but in RF devices this is not always true; e.g.,
the classic MRF316 can withstand 9 amps and 35 volts, for a nominal
output (VHF) power of 80 W, and is guaranteed to survive a 30:1 mismatch
(with any phase angle), but other transistors are less tolerant - e.g.
the widely known MRF455 is rated for 18V (only) and 15A for a 60W power
(HF).

But the main question is that the output matching network transforms
load impedances in a way not easy for the final user to predict, so a
short on output may appear to the device as something very different,
whilst a reactive load could well appear like a short or open circuit or
something like that. Adding to this the transformation of load impedance
caused by the transmission line, we can hardly know the difference
between the effects of a load impedance and those of another - and this
is why the specifications are usually given in terms of generic mismatch.

As for the difference in behaviour between solid state and tube amps,
the latter are notoriously more tolerant because failures in tubes are
usually rather "slow" (causes are mainly overheating, but also
evaporation of electrodes due to excessive current or disruptive
discharge due to overvoltage, and each of these causes requires a
certain amount of time to reach "final damage"), while the fusion of a
part of a semiconductor device (due to excessive current or power
dissipation, or formation of hot spots) or the disruptive discharge in a
junction (usually due to avalanche effect) are very fast phenomena,
which kill the device in very little time, or even in almost no time at
all... but all this is true at more or less any working frequency, not
only in RF.

Hoping to have shed some little light... :)
--
73 es 51 de i3hev, op. mario

Non ï¿½ Radioamatore, se non gli fuma il saldatore!
- Campagna 2006 "Il Radioamatore non ï¿½ uno che ascolta la radio"

it.hobby.radioamatori.moderato
http://digilander.libero.it/hamweb
http://digilander.libero.it/esperantovenezia

410. SEXY VIDEOS YOU MUST SEE MASALA HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-04 01:02:42 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <093a4dfa-e450-45d7-821e-e75c78fc510c@17g2000prr.googlegroups.com>
Source record: 770

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

411. HOT FOR TENAGERS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-04 13:59:24 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <cfe24e0a-8ec0-4230-9a81-84ee181dcd86@f31g2000pri.googlegroups.com>
Source record: 771

FOR GOOD STUDY MATERIAL
http://studymaterialforu.blogspot.com

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

FOR GOOD INFORMATION ABOUT INSURANCE
http://goodinsuranceplan.blogspot.com/

FOR HOT PHOTO&VIDEOS
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html
AISHWARYA RAI UNBELIVABLE PHOTO
http://southactresstou.blogspot.com/2011/05/aishwarya-rai.html
SEXY TAPSEE IN VEERA
http://southactresstou.blogspot.com/2011/05/tapsee.html
KAJAL IN BEAUTIFUL BLACK SAREE
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html

412. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-04 20:11:09 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <c77ae515-d4cc-4bd3-808b-a4e74494af4a@32g2000vbe.googlegroups.com>
Source record: 772

On May 29, 8:23 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> amp with a 75V zener string. Can I just directly replace the tube with
> the diodes or will I need to make other modifications to the circuit?
>
> Jimmie

Thanks all, problem turned out not to be the tube. still not
absolutely sure but it was either the bias pot or a cap. I'm fairly
certain I changed out the cap about a year ago so best guess is the
pot. What I am thinking was happening is the pot was opening up
sending its share of the current through the tube overloading it with
about 90 ma of current causing the tube to arc. Should have just
shotgunned the circuit from the beginning.

Jimmie

413. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-05 02:07:11 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <95d7dc04-c90e-4f73-b2cf-06c4e11fcbbe@g12g2000yqd.googlegroups.com>
Source record: 773

On Jun 4, 4:11 pm, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> On May 29, 8:23 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
>
> > I want to replace the vr 0A3 tube used in the bias circuit of a 6146B
> > amp with a 75V zener string. Can I just directly replace the tube with
> > the diodes or will I need to make other modifications to the circuit?
>
> > Jimmie
>
> Thanks all, problem turned out not to be the tube. still not
> absolutely sure but it was either the bias pot or a cap. I'm fairly
> certain I changed out the cap about a year ago so best guess is the
> pot. What I am thinking was happening is the pot was opening up
> sending its share of the current through the tube overloading it with
> about 90 ma of current causing the tube to arc. Should have just
> shotgunned the circuit from the beginning.
>
> Jimmie

hey OM

The dead give away should have been the series resistor to that 0A3
heating up big time since P=I^2R the current doubled, the power
quadrupled that resistor would have could have let its' smoke out.

73 OT
de n8zu

414. Re: Killing an RF amp with high VSWR: Zl>Z0 vs. Zl<Z0?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-05 03:41:49 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <506c3d6d-a391-44de-9cd6-19f597c9182b@r33g2000prh.googlegroups.com>
Source record: 774

On Jun 2, 2:49 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> Something I've wondered for awhile now is this: Since you get the same VSWR
> with a load both higher than or lower than your "expected" load (we'll call
> this Z0, and the actual load Zl), either Zl/Z0 or Z0/Zl respectively, is one
> siutation more likely to kill an amp than the other?
>
> When Zl>Z0, you tend to (ignoring phase effects here) end up with a higher
> voltage sitting on the finals than when Zl=Z0... but less current than the
> matched case. With Zl<Z0, it's typically lower voltage but higher current.
> Based on what I know from, e.g., power supply design, there's usually more of
> a margain from overvoltage than there is from overcurrent, in that you can
> often find parts that inherently withstand a 2:1 or better overvoltage margain
> with just a bit of extra cost, whereas overcurrent will tend to overheat the
> power devices and getting rid of, e.g., 2-4x as much heat (vs. matched case)
> can require significantly greater heatsinking which often isn't cheap.
>
> In the extreme case, I'd expect that far more amps will blow when shorted than
> when open-circuited. But I don't really have much experience in this area...
> so... could anyone comment on what you tend to see in real designs? Perhaps
> also compare and contrast tube-based amp with solid-state ones?
>
> Thanks you,
> ---Joel

Mario is right...it's a pretty tricky question, or at least it's
tricky to answer accurately!

I fully agree with him that it's difficult to know what impedance will
be reflected by any particular load, when viewed at the plates/
collectors/drains of the output devices.

Something else to consider: generally too much current (by only a
little, anyway) will cause heating, but it may take many milliseconds
or seconds for the heat to build up to the point of being dangerous.
On the other hand, when you get enough voltage to cause problems, the
problem is quite often instantaneous: within a microsecond or so.
Poof. Automatic protection circuits have a bit easier time handling
excess power (current; heat) than they do excess voltage.

Cheers,
Tom

415. Re: Why do WiFi basestations use two antennas?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-05 07:10:36 UTC
From: moronsbegone <NoThanx@never.org>
Message-ID: <Xns9EFB162A13C22notnowneverorg@127.0.0.1>
Source record: 775
Cross-posted to:
rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,uk.radio.amateur,uk.tech.broadcast

Paul Burridge <pb@notthisbit.osiris1.co.uk> wrote in
news:5okam0d8i2qh7emsfa6dbdg7oqca17m4cu@4ax.com:

> On Thu, 7 Oct 2004 12:00:52 +0100, "Daniel Kelly \(AKA
> Jack\)" <d.kellyNOSPAM@NOSPAM.ucl.ac.uk> wrote:
>
>>A little more info about my system:
>>The system is part of a wearable camera with recorder. The
>>camera, transmitter, microphone and a battery are all worn
>>in a hat.
>
> A hat?? What kind of a weirdo are you?

Could be a decoy or cop,mountain biker or sports related.

416. Re: Why do WiFi basestations use two antennas?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-05 07:19:52 UTC
From: moronsbegone <NoThanx@never.org>
Message-ID: <Xns9EFB17BC549E4notnowneverorg@127.0.0.1>
Source record: 776
Cross-posted to:
rec.radio.amateur.antenna,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,uk.radio.amateur,uk.tech.broadcast

"Reg Edwards" <g4fgq.regp@ZZZbtinternet.com> wrote in
news:ck9pu6$47o$1@titan.btinternet.com:

>> >Hams at UK rallies typically tend to smell rather badly,
>> >too. And look like child molesters. Is this a world-wide
>> >phenomenon or a purely British one?
>>
>> Must be purely British as no other country seems to have
>> the paranoia we seem to have about child molesters.
>>
> ==========
>
> All physical contact and association between people of all
> ages is fundamentally sexual in nature. It's for the
> propagation of our species. Otherwise there is no genetical
> reason for contact. It's all built into our genes.
>
>
>

CONFUSED; The reason for desire to contact is hiding in our
jeans ,,,the ones we are wearing,,,,isn't it?

Paranoya America,,,,,,,,,,,,,,,,,pethetic.....

My wife sued me for sexual harrasment,,,,,,,,,,,,,,I kissed
her on the cheek. Old Fat Homely thats me.
Woopie is sort of like shooting pool with a rope.

417. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-05 16:16:34 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <isga52$ru3$1@dont-email.me>
Source record: 777

On 06/04/2011 10:07 PM, raypsi wrote:

> hey OM
>
> The dead give away should have been the series resistor to that OA3
> heating up big time since P=I^2R the current doubled, the power
> quadrupled that resistor would have could have let its' smoke out.
>
> 73 OT
> de n8zu

Unless the original designer was paranoid enough to use an over sized resistor in the first place. Back when I first started out in ham radio building with tubes I was guilty of using a 50W resistor in a 5-10 watt circuit. (half because I got the 50W part cheap and half because I knew that I didn't quite know what I was doing and wanted to be safe).

418. Re: Killing an RF amp with high VSWR: Zl>Z0 vs. Zl<Z0?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-07 00:44:10 UTC
From: Joel Koltner <zapwireDASHgroups@yahoo.com>
Message-ID: <wveHp.24000$AU4.21653@en-nntp-07.dc1.easynews.com>
Source record: 778

Thanks Mario, that's quite insightful!

419. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-07 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1307426700@panix.com>
Source record: 779
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

420. Re: vr tube replacement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-08 06:38:47 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <823f1b9a-da90-4366-9778-a5eada4ed953@z33g2000yqb.googlegroups.com>
Source record: 780

On Jun 5, 12:16 pm, Kenneth Scharf <wa2...@bellsouth.net> wrote:
> On 06/04/2011 10:07 PM, raypsi wrote:
>
> > hey OM
>
> > The dead give away should have been the series resistor to that OA3
> > heating up big time since P=I^2R the current doubled, the power
> > quadrupled that resistor would have could have let its' smoke out.
>
> > 73 OT
> > de n8zu
>
> Unless the original designer was paranoid enough to use an over sized
> resistor in the first place. Back when I first started out in ham radio
> building with tubes I was guilty of using a 50W resistor in a 5-10 watt
> circuit. (half because I got the 50W part cheap and half because I knew
> that I didn't quite know what I was doing and wanted to be safe).

In my case problem was only momentary, maybe a second sometimes going
days without doing it sometimes 3 or 4 times in a couple of minutes.
For a long time I was convinced it was in the amp instead of the power
supply because I once disconnected the power supply from the amp and
it ran continuously for a few weeks without failing. This turned out
to be just bad luck. Fortunately I am on the air about as sporadically
as the amp was failing. There is no telling how many times it failed
while I was using it and I just didn't notice.

Jimmie

421. RFSim99 anomaly

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-08 20:12:47 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <ec14d75e-864b-4645-bddd-51fb42c4b750@h36g2000pro.googlegroups.com>
Source record: 781

Hi all,

I use RFSim99 pretty often, and appreciate all it does. I've come across a few "strangenesses" in the past, and just found a new one to add to the list:

In the RF Calculator Resonance/Reactance tool, enter 10MHz and 50pF. The resonating inductance is correctly shown as 5.066uH. Now change the capacitance to 50nF; you'd expect the inductance to show as 5.066nH, but it shows instead as 5.061nH. Change the capacitance to 50uF and the inductance shows as 5.066pH as expected. This isn't a big error, but it's a little puzzling that it's there at all. I discovered it when calculating values for a very narrow LC filter near 10MHz; I'm not sure if the error is worse than this at some points or not. This particular error seems to be only in the calculator, not in the simulator.

Cheers,
Tom

422. BEST 10 HOT SEXY VIDEOS AND MASALA KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-09 06:40:35 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <b81225c9-6262-4ae1-b620-5abb3bb51e9c@x38g2000pri.googlegroups.com>
Source record: 782

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-kiss.html
bollywood hot videos
http://hotvideosonlyx.blogspot.com/2010/09/bollywood-hot-videos.html
tollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
oracle interview questions
http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

423. Re: RFSim99 anomaly

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-09 09:10:49 UTC
From: somebody <someone@somewhere.com>
Message-ID: <vf31v6lil8vk5h3v3029qgnf6nlooli17u@4ax.com>
Source record: 783

On Wed, 8 Jun 2011 13:12:47 -0700 (PDT), K7ITM <k7itm@msn.com> wrote:

>Hi all,
>
>I use RFSim99 pretty often, and appreciate all it does. I've come
>across a few "strangenesses" in the past, and just found a new one to
>add to the list:
>
>In the RF Calculator Resonance/Reactance tool, enter 10MHz and 50pF.
>The resonating inductance is correctly shown as 5.066uH. Now change
>the capacitance to 50nF; you'd expect the inductance to show as
>5.066nH, but it shows instead as 5.061nH. Change the capacitance to
>50uF and the inductance shows as 5.066pH as expected. This isn't a
>big error, but it's a little puzzling that it's there at all. I
>discovered it when calculating values for a very narrow LC filter near
>10MHz; I'm not sure if the error is worse than this at some points or
>not. This particular error seems to be only in the calculator, not in
>the simulator.
>
>Cheers,
>Tom

Artifacts of floating point arithmetic?

424. SEXY VIDEOS AND HOT 2011PHOTOS FREE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-11 00:56:34 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <59931cd2-79ab-4db6-9455-591ff22bc5e6@j13g2000pro.googlegroups.com>
Source record: 784

for hot videos
http://verysexyhotvideos.blogspot.com/

hot lip kiss videos
http://allvideosforyouth.blogspot.com/2010/08/hot-lip-kiss-videos.html

super hot lip kiss
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

games

GAME 1
http://freeonlingamesplay.blogspot.com/2010/08/game-1.html
GAME 2
http://freeonlingamesplay.blogspot.com/2010/08/game-2.html

mobile

mobile games free download
http://mobileallinforation.blogspot.com/2010/08/mobile-games-free-download.html

mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

425. `HOT SEXY PHOTOS&VIDEOS****

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-12 14:15:01 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <c1c9b4d5-c1ef-47d4-bc1d-e6462ad000ad@d26g2000prn.googlegroups.com>
Source record: 785

FOR GOOD STUDY MATERIAL
http://studymaterialforu.blogspot.com

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

FOR HOT PHOTO&VIDEOS
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html
AISHWARYA RAI UNBELIVABLE PHOTO
http://southactresstou.blogspot.com/2011/05/aishwarya-rai.html
SEXY TAPSEE IN VEERA
http://southactresstou.blogspot.com/2011/05/tapsee.html
KAJAL IN BEAUTIFUL BLACK SAREE
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html

426. Re: Killing an RF amp with high VSWR: Zl>Z0 vs. Zl<Z0?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-13 20:44:49 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <b16490d1-9837-4b0e-a45f-d0e92e0321fd@j9g2000vbs.googlegroups.com>
Source record: 786

On Jun 2, 5:49 pm, "Joel Koltner" <zapwireDASHgro...@yahoo.com> wrote:
> Something I've wondered for awhile now is this: Since you get the same VSWR
> with a load both higher than or lower than your "expected" load (we'll call
> this Z0, and the actual load Zl), either Zl/Z0 or Z0/Zl respectively, is one
> siutation more likely to kill an amp than the other?
>
> When Zl>Z0, you tend to (ignoring phase effects here) end up with a higher
> voltage sitting on the finals than when Zl=Z0... but less current than the
> matched case. With Zl<Z0, it's typically lower voltage but higher current.
> Based on what I know from, e.g., power supply design, there's usually more of
> a margain from overvoltage than there is from overcurrent, in that you can
> often find parts that inherently withstand a 2:1 or better overvoltage margain
> with just a bit of extra cost, whereas overcurrent will tend to overheat the
> power devices and getting rid of, e.g., 2-4x as much heat (vs. matched case)
> can require significantly greater heatsinking which often isn't cheap.
>
> In the extreme case, I'd expect that far more amps will blow when shorted than
> when open-circuited. But I don't really have much experience in this area...
> so... could anyone comment on what you tend to see in real designs? Perhaps
> also compare and contrast tube-based amp with solid-state ones?

Many simplest solid-state amps "SWR protection" circuitry is in fact
"overvoltage protection" circuitry (e.g. Zl>Z0).

The output transformer and low-pass network can also be seriously
overstressed when Zl<Z0.

For a while, thermal runaway was a big problem with bipolar continuous
duty (especially FM) amps when Zl<Z0. Today most solid-state amps
(even if not bipolar) have overtemp and overcurrent protection as a
belt-and-suspenders on top of temperature-dependent bias. Overtemp by
itself won't stop the worst transformed loads but with overcurrent
protection the past couple generations of HF finals aren't so easy to
kill.

BTW... my Ten Tec Triton IV (1976 vintage) still has the original
final transistors.

For a lot of medium-power homebrew gear the cost of any final
protection is more than the cost of the finals. Witness the many
IRF510 amps. For a while on my bench I was burning through IRF510's
like they were goin out of style :-)

Tim N3QE

427. HOT HOT VIDEOS PHOTOS SXY PEOPLE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-18 00:47:42 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <5a171a6b-7130-4fe2-bc8b-1eb8f022057d@d26g2000prn.googlegroups.com>
Source record: 787

HOT HOT LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/hot-for-youth.html
SUPER HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-101.html
YOUTH HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-lip-kiss-12.html
ONLY HOT HOT
http://hotvideosfreesee.blogspot.com/2010/06/supr-hot-never-seen.html
SUPER HOT NEVER SEEN
http://hotvideosfreesee.blogspot.com/2010/06/supe-r-hot-kiss-op.html
HEROINE LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/kajal-best-lip-kiss.html

for mopre hot videos
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

games

GAME 1
http://freeonlingamesplay.blogspot.com/2010/08/game-1.html
GAME 2
http://freeonlingamesplay.blogspot.com/2010/08/game-2.html

mobile

mobile games free download
http://mobileallinforation.blogspot.com/2010/08/mobile-games-free-download.html

mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

428. vintage "Radio News" by Hugo Gernsback

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-19 17:17:25 UTC
From: Atlantis <nospam@nospam.pl>
Message-ID: <4dfe2eef$0$2490$65785112@news.neostrada.pl>
Source record: 788

I am looking for archival issues of vintage magazine "Radio News"
published by Hugo Gernsback back in 20s. Especially the one from
December of 1925. Is there any digital library offering access to this
materials? Or maybe somebody digitalized own collection and uploaded it
somewhere? I will be very grateful for any piece of information. :)

429. Re: vintage "Radio News" by Hugo Gernsback

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-20 11:30:22 UTC
From: "news.giganews.com" <gzimmer@wideband.net.au>
Message-ID: <5tydnSviA_mUsmLQnZ2dnUVZ_o-dnZ2d@giganews.com>
Source record: 789

>I am looking for archival issues of vintage magazine "Radio News"
> published by Hugo Gernsback back in 20s. Especially the one from
> December of 1925.

Here's the cover at least...
http://www.magazineart.org/main.php/v/technical/radionews/RadioNews1925-12.jpg.html

..... Zim

430. advice on cylindrical magnetic core for PTO with 1" micrometric drive

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-20 18:09:52 UTC
From: spamhog <n1jpr@hotmail.com>
Message-ID: <5d35e1b7-a117-4b9f-9dd9-d9ff02d6c74c@j28g2000vbp.googlegroups.com>
Source record: 790

warning - this is clearly crazy
** just for fun, so pls bear with me! **
** calls for sanity --> /dev/null :-D **

Hello everyone!

I am considering building a broad tuning range, high impedance HF tank circuit that could be used for several _old-fashioned_ things, like a regen receiver or an analog RF generator, with a pair of twists:
- PTO TUNING, as seen in many professional and ham radios, but with very limited tuning range and custom-made slow motion drives.
- a generic MICROMETRIC SCREW for tuning slow motion drive was, as I saw in one of Jiri
Vackar's patents.

PTO HF TUNING
I envision using a moving magnetic core either for main tuning or for band setting. A designer of interesting hobby radios by the name of (Sir) Douglas Hall obtained extremely wide tuning ratios with PT coils and extremely small fine-tuning variables, in the order of 10pF, without band-switching on HF, unattainable with variable capacitors. He also claimed better Q over the whole range. But his PT drive was really rough, only good enough for approximate band setting. It should be easy to do better.

MICROMETRIC SCREWS
Standard mechanical micrometers used for depth or thickness measurement contain a screw that moves a steel rod over a 25mm / 1 inch range. They typically have a resolution of 0.01mm using the venier scale. This implies repositioning to 1 part over 2500 over the full range. Other features are extremely smooth motion, very small backlash, and low price. I also have a thermostat that I could use to heat the whole mechanical arrangement and help stability....

QUESTION
Assuming that my favorite HF range is 3-15 MHz and that core travel will be 25mm or less, what core size and mix you propose for best Q and stability over a broad tuning range?

MY CURRENT CANDIDATE
Amidon cyl. core for HF PTOs R61-050-180
1.8" length x 1/2" diameter, material 61.
Excess length is necessary to keep linearity throughout the range.
I wish diameter was larger, closer to a roughly square length/diameter ratio, but that's what's available.

SECOND BEST (probably WAAAY SECOND)
A cylindrical RFI core. I can count many many reasons not to use one,
but I wonder if I am grasping at straws.

Any comments?

Thank you in advance!

N1JPR

431. Re: advice on cylindrical magnetic core for PTO with 1" micrometric drive

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-20 19:11:12 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <dc99a9dd-b401-46f6-9ccf-07f7af1a96e2@e21g2000vbz.googlegroups.com>
Source record: 791

On Jun 20, 2:09 pm, spamhog <n1...@hotmail.com> wrote:
> MY CURRENT CANDIDATE
> Amidon cyl. core for HF PTOs R61-050-180
> 1.8" length x 1/2" diameter, material 61.
> Excess length is necessary to keep linearity throughout the range.
> I wish diameter was larger, closer to a roughly square length/diameter
> ratio, but that's what's available.
>
> SECOND BEST (probably WAAAY SECOND)
> A cylindrical RFI core. I can count many many reasons not to use one,
> but I wonder if I am grasping at straws.

I know you're going super gorilla on all this... but attacking this
from the low end up: the KD1JV brass-screw-tuned PTO is very easy to
realize and while not super duper stable, it's about as good as you
can do for a couple bucks. He has examples of covering 5.0 to 5.5 MHz
(75M SSB rig):

http://kd1jv.qrpradio.com/ssbrig/SSB.HTM

and covering 3.0 to 2.95 or so MHz (40M CW rig):

http://kd1jv.qrpradio.com/ARRLHBC/ARRL_MMR40.html

Unlike ferrite materials where putting the core in increases
inductance, putting a brass slug into a coil reduces its inductance.

KD1JV's designs are supremely reproducible. He does not use unobtanium
parts, that's for sure!

I have used these and while they are not awful temperature stable by
themselves, with some compensation maybe they could be better.

Tim N3QE.

Tim.

432. Re: vintage "Radio News" by Hugo Gernsback

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-22 06:13:35 UTC
From: Atlantis <marekw1986NOSPAM@wp.pl>
Message-ID: <its163abi1@news.onet.pl>
Source record: 792

W dniu 2011-06-20 13:30, news.giganews.com pisze:

> Here's the cover at least...
> http://www.magazineart.org/main.php/v/technical/radionews/RadioNews1925-12.jpg.html

I've already seen that one. :)
So, is that mean, that this magazine is not avalaible on the Internet?

433. Re: vintage "Radio News" by Hugo Gernsback

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-22 07:54:34 UTC
From: "news.giganews.com" <gzimmer@wideband.net.au>
Message-ID: <PMCdnfkOsMr-ApzTnZ2dnUVZ_qmdnZ2d@giganews.com>
Source record: 793

>> Here's the cover at least...
>> http://www.magazineart.org/main.php/v/technical/radionews/RadioNews1925-12.jpg.html
>
> I've already seen that one. :)
> So, is that mean, that this magazine is not avalaible on the Internet?

I guess not...
Your best bet would be to check regularly on eBay. You will find a copy
there sooner or later.

Or tell us which particular article you are looking for. Someone might have
it...

And people will be more likely to help if you include a valid email address.

Regards ..... Zim

434. Re: vintage "Radio News" by Hugo Gernsback

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-22 09:08:10 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <itsbds$g8g$2@dont-email.me>
Source record: 794

On 22/06/2011 4:13 PM, Atlantis wrote:
> W dniu 2011-06-20 13:30, news.giganews.com pisze:
>
>> Here's the cover at least...
>> http://www.magazineart.org/main.php/v/technical/radionews/RadioNews1925-12.jpg.html
>
> I've already seen that one. :)
> So, is that mean, that this magazine is not avalaible on the Internet?
I can't find anything allowing downloads
the odd scrap and some interesting information about the man who was
quite extraordinary but not much else
no obvious torrents or such either

--
X-No-Archive: Yes

435. Re: advice on cylindrical magnetic core for PTO with 1" micrometric drive

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-22 14:52:26 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <00bc1e3b-b09d-45ec-8739-26a383f66218@d42g2000yqa.googlegroups.com>
Source record: 795

Hey OM;

61 Ferrite material is good to 10Mhz.

But Sir Douglas Hall used a band switch to cover those frequencies and
a 500pf variable capacitor to get to the lower bands, the 10pf was for
band spread.

73 OM
de n8zu

<n1...@hotmail.com> wrote:
> **warning - this is clearly crazy**
> ** just for fun, so pls bear with me! **
> ** calls for sanity --> /dev/null :-D **
>
> Hello everyone!
>
> I am considering building a broad tuning range, high impedance HF
> tank circuit that could be used for several _old-fashioned_ things,
> like a regen receiver or an analog RF generator, with a pair of
> twists:
> - PTO TUNING, as seen in many professional and ham radios, but with
> very limited tuning range and custom-made slow motion drives.
> - a generic MICROMETRIC SCREW for tuning slow motion drive was, as I
> saw in one of Jiri
> Vackar's patents.
>
> PTO HF TUNING
> I envision using a moving magnetic core either for main tuning or for
> band setting. A designer of interesting hobby radios by the name of
> (Sir) Douglas Hall obtained extremely wide tuning ratios with PT coils
> and extremely small fine-tuning variables, in the order of 10pF,
> without band-switching on HF, unattainable with variable capacitors.
> He also claimed better Q over the whole range. But his PT drive was
> really rough, only good enough for approximate band setting. It should
> be easy to do better.
>
> MICROMETRIC SCREWS
> Standard mechanical micrometers used for depth or thickness
> measurement contain a screw that moves a steel rod over a 25mm / 1
> inch range. They typically have a resolution of 0.01mm using the
> venier scale. This implies repositioning to 1 part over 2500 over the
> full range. Other features are extremely smooth motion, very small
> backlash, and low price. I also have a thermostat that I could use to

> heat the whole mechanical arrangement and help stability....
>
> QUESTION
> Assuming that my favorite HF range is 3-15 MHz and that core travel
> will be 25mm or less, what core size and mix you propose for best Q
> and stability over a broad tuning range?
>
> MY CURRENT CANDIDATE
> Amidon cyl. core for HF PTOs R61-050-180
> 1.8" length x 1/2" diameter, material 61.
> Excess length is necessary to keep linearity throughout the range.
> I wish diameter was larger, closer to a roughly square length/diameter
> ratio, but that's what's available.
>
> SECOND BEST (probably WAAAY SECOND)
> A cylindrical RFI core. I can count many many reasons not to use one,
> but I wonder if I am grasping at straws.
>
> Any comments?
>
> Thank you in advance!
>
> N1JPR

436. Re: vintage "Radio News" by Hugo Gernsback

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-22 20:51:25 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <ittkkd$kj9$1@dont-email.me>
Source record: 796

On 06/20/2011 07:30 AM, news.giganews.com wrote:
>> I am looking for archival issues of vintage magazine "Radio News"
>> published by Hugo Gernsback back in 20s. Especially the one from
>> December of 1925.
>
> Here's the cover at least...
> http://www.magazineart.org/main.php/v/technical/radionews/RadioNews1925-12.jpg.html
>
>
> ..... Zim
>
>
Been looking at some of the covers at that link.
This one
http://www.magazineart.org/main.php/v/technical/radionews/RadioNews1932-06.jpg.html
looks like a magnetron tube.

437. Metal Clad mica capacitor size?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-23 11:08:07 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <5pmdnW6hL9EKg57TnZ2dnUVZ_v-dnZ2d@bright.net>
Source record: 797

Looking for physical dimensions of metal clad mica capacitors such as Unelco/Semco/Underwood types. CCI has them listed as types J101 and 3HS0006. I need the smallest physical sized ones (100pF) for a 902 MHz amp conversion. I emailed CCI, but thought I would ask here as well.

Thanks all,

N0EDV

438. Re: Metal Clad mica capacitor size?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-23 17:48:37 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <763e16ff-c675-4017-9411-6b1704504f2e@v11g2000prk.googlegroups.com>
Source record: 798

On Jun 23, 4:08 am, Scott <acepilotREM...@bloomer.net> wrote:
> Looking for physical dimensions of metal clad mica capacitors such as
> Unelco/Semco/Underwood types. CCI has them listed as types J101 and
> 3HS0006. I need the smallest physical sized ones (100pF) for a 902 MHz
> amp conversion. I emailed CCI, but thought I would ask here as well.
>
> Thanks all,
>
> N0EDV

RF Parts has J101's listed, and the page at http://www.rfparts.com/caps_metalcase.html shows the size (bottom of the page). J602 is quite a bit smaller than J101...

If you want "small," you might consider ceramics from American Technical Ceramics. The ATC 800 R series could possibly give you what you need, in a small package. These are specifically designed for very low RF ESR and low ESL, and ability to transfer heat out to the terminations. I suppose Johanson has similar parts; I just happen to be more familiar with the ATC parts.

Cheers,
Tom

439. BEST HOT VIDEO WATCH HERE MODLES HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-24 00:43:11 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <901a5005-3338-4d9a-82d5-a218dc58e570@h12g2000pro.googlegroups.com>
Source record: 799

VERY VERY VERY HOT HOT HOT ONLY HOT
http://acresesandmodels.blogspot.com/2011/06/real-kiss-hot-videos.html

HOT HOT LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/hot-for-youth.html
SUPER HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-101.html
YOUTH HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-lip-kiss-12.html
ONLY HOT HOT
http://hotvideosfreesee.blogspot.com/2010/06/supr-hot-never-seen.html
SUPER HOT NEVER SEEN
http://hotvideosfreesee.blogspot.com/2010/06/supe-r-hot-kiss-op.html
HEROINE LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/kajal-best-lip-kiss.html

for mopre hot videos
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

games

GAME 1
http://freeonlingamesplay.blogspot.com/2010/08/game-1.html
GAME 2
http://freeonlingamesplay.blogspot.com/2010/08/game-2.html

mobile

mobile games free download
http://mobileallinforation.blogspot.com/2010/08/mobile-games-free-download.html

mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

440. Re: Metal Clad mica capacitor size?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-27 18:15:34 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <692341b6-482d-4c5b-bdce-2bb60eee9cc3@gv8g2000vbb.googlegroups.com>
Source record: 800

On Jun 23, 7:08 am, Scott <acepilotREM...@bloomer.net> wrote:
> Looking for physical dimensions of metal clad mica capacitors such as
> Unelco/Semco/Underwood types. CCI has them listed as types J101 and
> 3HS0006. I need the smallest physical sized ones (100pF) for a 902 MHz
> amp conversion. I emailed CCI, but thought I would ask here as well.

Mica capacitors may be a little more traditional (and I see them in
UHF app notes still)... but I can't see any reason to not use a modern
microwave-type porcelain or glass cap here.

e.g. http://www.atceramics.com/pdf/prod_select(4).pdf

N3QE

441. 2304 transverter for sale

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-28 04:34:50 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <sLKdneK5UrN3xJTTnZ2dnUVZ_tAAAAAA@bright.net>
Source record: 801

I just built and tested a DEMI 2304-144 transverter and it is now for sale. Set up for 9.3W in at 144 MHz and gives 1.00W at 2304. The receive sensitivity is good, with my 2304 MHz signal at -85 dBm giving S8 to S9 on my FT-857 IF radio. Unit is built with common IF in/out, split TX/RX at 2304 and requires a 10 MHz source for the synthesized L.O. Switch is installed for dual frequency operation, but is not wired. By wiring this switch, you can select between 2304 and one other frequency - 2320 or 2424 MHz (NOTE: 2320 is NOT an authorized TX frequency in the USA, but 2424 is). No T/R relay included, but unit is built to work with standard 24V SMA relays. Photos of transverter on the ham radio page at my website below. Unit has been tested at 2304 MHz only.

Price: $495.00. Save yourself 5 bucks and 18 weeks of your life (DEMI's quoted lead time for factory built units). $15 shipping to CONUS, $25 shipping to Alaska or Hawaii. No International shipping, sorry (too much money and too much friggin' paperwork!

acepilot at bloomer dot net

N0EDV
http://corbenflyer.tripod.com/

442. Where is "on when engine is running" wire in F-150 pickup?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-06-30 04:14:56 UTC
From: "Myron A. Calhoun" <mcalhoun@sdf.org>
Message-ID: <iugt80djn1@odin.sdf-eu.org>
Source record: 802

I want to put a second battery (for my radios) in my 1994 F-150 pickup truck and connect it to the original battery (for the starter and engine) with a relay such that the batteries are in parallel when the engine is running (and the generator is presumably generating) and are separate when the engine is not running. I did this with my previous '84 F-100 pickup, but I can't find the "on when engine is running" wire in my F-150. Does this wire appear anywhere under the hood?

--W0PBV.

443. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-01 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1309500001@panix.com>
Source record: 803
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

444. SEXY VIDEOS AND HOT 2011PHOTOS FREE

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-02 00:55:25 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <55262c75-98cd-46cd-9b5e-c3ce48d68427@d26g2000prn.googlegroups.com>
Source record: 804

VERY VERY VERY HOT HOT HOT ONLY HOT
http://acresesandmodels.blogspot.com/2011/06/real-kiss-hot-videos.html

HOT HOT LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/hot-for-youth.html
SUPER HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-101.html
YOUTH HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-lip-kiss-12.html
ONLY HOT HOT
http://hotvideosfreesee.blogspot.com/2010/06/supr-hot-never-seen.html
SUPER HOT NEVER SEEN
http://hotvideosfreesee.blogspot.com/2010/06/supe-r-hot-kiss-op.html
HEROINE LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/kajal-best-lip-kiss.html

for mopre hot videos
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

games

GAME 1
http://freeonlingamesplay.blogspot.com/2010/08/game-1.html
GAME 2
http://freeonlingamesplay.blogspot.com/2010/08/game-2.html

mobile

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mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

445. Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-02 19:27:52 UTC
From: brian whatcott <betwys1@sbcglobal.net>
Message-ID: <hPadnRn_iYWs7JLTnZ2dnUVZ_s-dnZ2d@giganews.com>
Source record: 805

I've got a problem. A good problem.

Always wanted a clamp meter - but never wanted to pay the price.
So when the cheapie Chinese models came along, I bought one.
A model DT3266E to be precise.
2A~ 20A~ 200A~ coupla ohms scales and voltage scales
with attached leads.

Anyway, I knew in my head that cheapie clamp ons are only
good for AC - and that's what the range selecter said too.

But still, I bought a way expensive little lead acid battery for a Honda
Recon 4 wheel RV, and filled it with the acid provided then hooked it to
a charger.

I tried the clip on. It read 2.5 A initially.
That seemed about right.
It tapered to 0.9 A in the next few hours. THAT seemed right.

Here's the problem: if it works on DC (or maybe rough DC)
why is it marked for AC only?

Brian W

446. Re: Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-02 20:09:45 UTC
From: david <none@nospam.com>
Message-ID: <iuntu9$6hm$1@dont-email.me>
Source record: 806

On Sat, 02 Jul 2011 14:27:52 -0500, brian whatcott rearranged some
electrons to say:

> I've got a problem. A good problem.
>
> Always wanted a clamp meter - but never wanted to pay the price. So when
> the cheapie Chinese models came along, I bought one. A model DT3266E to
> be precise.
> 2A~ 20A~ 200A~ coupla ohms scales and voltage scales with attached
> leads.
>
>
> Anyway, I knew in my head that cheapie clamp ons are only
> good for AC - and that's what the range selecter said too.
>
> But still, I bought a way expensive little lead acid battery for a Honda
> Recon 4 wheel RV, and filled it with the acid provided then hooked it to
> a charger.
>
> I tried the clip on. It read 2.5 A initially. That seemed about right.
> It tapered to 0.9 A in the next few hours. THAT seemed right.
>
> Here's the problem: if it works on DC (or maybe rough DC)
> why is it marked for AC only?
>
> Brian W

You're assuming it works... are you sure that the DC values that were
read were anywhere close to being accurate?

447. Re: Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-02 20:55:36 UTC
From: brian whatcott <betwys1@sbcglobal.net>
Message-ID: <rbOdnfOb-tRdGJLTnZ2dnUVZ_judnZ2d@giganews.com>
Source record: 807

On 7/2/2011 3:09 PM, david wrote:
> On Sat, 02 Jul 2011 14:27:52 -0500, brian whatcott rearranged some
> electrons to say:
>
>> I've got a problem. A good problem.
>>
>> Always wanted a clamp meter - but never wanted to pay the price. So when
>> the cheapie Chinese models came along, I bought one. A model DT3266E to
>> be precise.
>> 2A~ 20A~ 200A~ coupla ohms scales and voltage scales with attached
>> leads.
>>
>>
>> Anyway, I knew in my head that cheapie clamp ons are only
>> good for AC - and that's what the range selecter said too.
>>
>> But still, I bought a way expensive little lead acid battery for a Honda
>> Recon 4 wheel RV, and filled it with the acid provided then hooked it to
>> a charger.
>>
>> I tried the clip on. It read 2.5 A initially. That seemed about right.
>> It tapered to 0.9 A in the next few hours. THAT seemed right.
>>
>> Here's the problem: if it works on DC (or maybe rough DC)
>> why is it marked for AC only?
>>
>> Brian W
>
> You're assuming it works... are you sure that the DC values that were
> read were anywhere close to being accurate?

Rough and ready test only: it was agreeing with the MC meter on the charger.

Brian W

448. Re: Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-02 21:44:16 UTC
From: Ralph Mowery <rmowery28146@earthlink.net>
Message-ID: <AqudnWaMJLmwDJLTnZ2dnUVZ_uOdnZ2d@earthlink.com>
Source record: 808

"brian whatcott" <betwys1@sbcglobal.net> wrote in message
news:hPadnRn_iYWs7JLTnZ2dnUVZ_s-dnZ2d@giganews.com...
> I've got a problem. A good problem.
>
> Always wanted a clamp meter - but never wanted to pay the price.
> So when the cheapie Chinese models came along, I bought one.
> A model DT3266E to be precise.
> 2A~ 20A~ 200A~ coupla ohms scales and voltage scales
> with attached leads.
>
>
> Anyway, I knew in my head that cheapie clamp ons are only
> good for AC - and that's what the range selecter said too.
>
> But still, I bought a way expensive little lead acid battery for a Honda
> Recon 4 wheel RV, and filled it with the acid provided then hooked it to a
> charger.
>
> I tried the clip on. It read 2.5 A initially.
> That seemed about right.
> It tapered to 0.9 A in the next few hours. THAT seemed right.
>
> Here's the problem: if it works on DC (or maybe rough DC)
> why is it marked for AC only?
>
> Brian W

Chances are the charger is putting out pulses (half wave or full wave from a
rectifier) instead of filtered DC. The magnetic field around the wire is
building up and falling similar to an AC current would act.
I would not trust the exect values of the meter for the DC current unless
verified by another meter.

449. Re: Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-03 04:15:59 UTC
From: Peter <peter@arin.htlm.com>
Message-ID: <h0rv07pp5h6pie8g0atkgl70sensbiri8a@4ax.com>
Source record: 809

On Sat, 02 Jul 2011 14:27:52 -0500, brian whatcott
<betwys1@sbcglobal.net> wrote:

>I've got a problem. A good problem.
>
>Always wanted a clamp meter - but never wanted to pay the price.
>So when the cheapie Chinese models came along, I bought one.
>A model DT3266E to be precise.
>2A~ 20A~ 200A~ coupla ohms scales and voltage scales
>with attached leads.
>
>
>Anyway, I knew in my head that cheapie clamp ons are only
> good for AC - and that's what the range selecter said too.
>
>But still, I bought a way expensive little lead acid battery for a Honda
>Recon 4 wheel RV, and filled it with the acid provided then hooked it to
>a charger.
>
>I tried the clip on. It read 2.5 A initially.
>That seemed about right.
>It tapered to 0.9 A in the next few hours. THAT seemed right.
>
>Here's the problem: if it works on DC (or maybe rough DC)
> why is it marked for AC only?
>
>Brian W

Could be a problem with the iron circuit getting sturated at higher
levels of DC current, even though it seems to work at the lower
levels, and also there may be the problem of magnetising the core, and
causing subsequent measurements to be inaccurate.

peter

450. Re: Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-03 22:01:06 UTC
From: brian whatcott <betwys1@sbcglobal.net>
Message-ID: <peCdnQ4wzYkKe43TnZ2dnUVZ_gKdnZ2d@giganews.com>
Source record: 810

On 7/2/2011 11:15 PM, Peter wrote:
> On Sat, 02 Jul 2011 14:27:52 -0500, brian whatcott
> <betwys1@sbcglobal.net> wrote:
>
>> I've got a problem. A good problem.
>>
>> Always wanted a clamp meter - but never wanted to pay the price.
>> So when the cheapie Chinese models came along, I bought one.
>> A model DT3266E to be precise.
>> 2A~ 20A~ 200A~ coupla ohms scales and voltage scales
>> with attached leads.
>>
>>
>> Anyway, I knew in my head that cheapie clamp ons are only
>> good for AC - and that's what the range selecter said too.
>>
>> But still, I bought a way expensive little lead acid battery for a Honda
>> Recon 4 wheel RV, and filled it with the acid provided then hooked it to
>> a charger.
>>
>> I tried the clip on. It read 2.5 A initially.
>> That seemed about right.
>> It tapered to 0.9 A in the next few hours. THAT seemed right.
>>
>> Here's the problem: if it works on DC (or maybe rough DC)
>> why is it marked for AC only?
>>
>> Brian W
>
> Could be a problem with the iron circuit getting sturated at higher
> levels of DC current, even though it seems to work at the lower
> levels, and also there may be the problem of magnetising the core, and
> causing subsequent measurements to be inaccurate.
>
> peter

Thanks for the sensible suggestions, folks. The clamp is made from
laminations, no doubt.
Just surprised it tracked so well on low DC amps.

Brian W

451. Re: Clamp Meter Problem.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-04 01:21:24 UTC
From: who where <noone@home.net>
Message-ID: <3u4217hrkqclcie0kmks7rhf3prio9e40o@4ax.com>
Source record: 811

On Sun, 03 Jul 2011 17:01:06 -0500, brian whatcott
<betwys1@sbcglobal.net> wrote:

>On 7/2/2011 11:15 PM, Peter wrote:
>> On Sat, 02 Jul 2011 14:27:52 -0500, brian whatcott
>> <betwys1@sbcglobal.net> wrote:
>>
>>> I've got a problem. A good problem.
>>>
>>> Always wanted a clamp meter - but never wanted to pay the price.
>>> So when the cheapie Chinese models came along, I bought one.
>>> A model DT3266E to be precise.
>>> 2A~ 20A~ 200A~ coupla ohms scales and voltage scales
>>> with attached leads.
>>>
>>>
>>> Anyway, I knew in my head that cheapie clamp ons are only
>>> good for AC - and that's what the range selecter said too.
>>>
>>> But still, I bought a way expensive little lead acid battery for a Honda
>>> Recon 4 wheel RV, and filled it with the acid provided then hooked it to
>>> a charger.
>>>
>>> I tried the clip on. It read 2.5 A initially.
>>> That seemed about right.
>>> It tapered to 0.9 A in the next few hours. THAT seemed right.
>>>
>>> Here's the problem: if it works on DC (or maybe rough DC)
>>> why is it marked for AC only?
>>>
>>> Brian W
>>
>> Could be a problem with the iron circuit getting sturated at higher
>> levels of DC current, even though it seems to work at the lower
>> levels, and also there may be the problem of magnetising the core, and
>> causing subsequent measurements to be inaccurate.
>>
>> peter
>
>Thanks for the sensible suggestions, folks. The clamp is made from
>laminations, no doubt.
> Just surprised it tracked so well on low DC amps.

Try it on straight DC, such as the main battery leads in your vehicle
with headlights or sidelights only. You may just discover that

Ralph's explanation is correct.

(I have a cheapie battery charger which is nothing more than a transformer and full-wave bridge, so the waveform of charge current is a series of pulses at 100 Hz. I have two clampmeters, an AC-only unit which registers on my cheapie battery charger's output, and a Hall-effect cheapie which shows DC correctly. Must admit I haven't tried the HE one on the battery charger yet. Expect a "compromised" reading or just average current. Note to self ...).

452. low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-04 04:31:59 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F18A82DAA644crite40@216.196.97.131>
Source record: 812

Good day!
Can anyone point me towards a good design for a good RF stage for my home brew HF receiver. I have no less than 6 others hams in my small town and one within 400 metres, so I need good strong signal performance.
10 to 15 dB gain would be ample, but I would like to have 50 Ohm input and output impeadances.
The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal filter followed by a downconverting mixer to either 9MHz or 10.7 MHz with separate IF strips.
Tuning is by a PA0KLT synthesiser.
I have been a bit out of touch lately and am not very up to date with the latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double balanced mixer circuit.
The rest of the sytem was built back in the early 1990's but put to one side until a better frequency sythesiser was available.
Now it looks like the time to get things moving again!
Regards Cliff Wright ZL1BDA ex G3NIA.

453. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-04 08:29:19 UTC
From: Piero Soldi <piero.soldi@libero.it>
Message-ID: <iurtl9$6ma$1@speranza.aioe.org>
Source record: 813

Hello Cliff,

try to find "Experimental Methods in RF Design" published by ARRL,
authors : W7ZOI, KK7B, W7PUA.

It is a gold mine of infos and circuits !

For excellent intermod quality, consider also H-mode converters.

This link is very informative :

http://martein.home.xs4all.nl/pa3ake/hmode/

73, Piero i5spo.

"clifford wright" <c.c.wright@paradise.net.nz> ha scritto nel messaggio
news:Xns9F18A82DAA644crite40@216.196.97.131...
> Good day!
> Can anyone point me towards a good design for a good RF stage for my home
> brew HF receiver. I have no less than 6 others hams in my small town and
> one within 400 metres, so I need good strong signal performance.
> 10 to 15 dB gain would be ample, but I would like to have 50 Ohm input and
> output impeadances.
> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal
> filter
> followed by a downconverting mixer to either 9MHz or 10.7 MHz with
> separate
> IF strips.
> Tuning is by a PA0KLT synthesiser.
> I have been a bit out of touch lately and am not very up to date with the
> latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double
> balanced mixer circuit.
> The rest of the sytem was built back in the early 1990's but put to one
> side until a better frequency sythesiser was available.
> Now it looks like the time to get things moving again!
> Regards Cliff Wright ZL1BDA ex G3NIA.

454. ONLY FOR MEN`

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-04 15:58:19 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <8650104c-c8c9-4dc6-8d09-3d39f56a8665@r21g2000pri.googlegroups.com>
Source record: 814

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http://allyouwants.blogspot.com/
PRIYAMANI SPICY PHOTOS IN COW GIRL
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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html
TAPSEE SISTER HOT STILLS FOR U
http://allyouwants.blogspot.com/2011/06/tapsee-sister-shagun-pannu-hot-photo.html
NAMITHA LATEST HOT PHOTO STILLS
http://allyouwants.blogspot.com/2011/06/namithas-latest-stills-from-her.html
trisha in pothys ad stills exclusive for u
http://allyouwants.blogspot.com/2010/12/trisha-in-pothys-ad-stills.html
NIKITHA HOT PHOTO STILLS
http://allyouwants.blogspot.com/2011/01/nikitha-hot-stills-in-blue-saree.html

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

FOR HOT PHOTO&VIDEOS
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html

455. Bi-phase Battery Charging (was Clamp Meter Problem.)

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-05 03:13:16 UTC
From: brian whatcott <betwys1@sbcglobal.net>
Message-ID: <acydnUDje_KjHI_TnZ2dnUVZ_sKdnZ2d@giganews.com>
Source record: 815

On 7/3/2011 8:21 PM, who where wrote:
> On Sun, 03 Jul 2011 17:01:06 -0500, brian whatcott
> <betwys1@sbcglobal.net> wrote:
>
>> On 7/2/2011 11:15 PM, Peter wrote:
>>> On Sat, 02 Jul 2011 14:27:52 -0500, brian whatcott
>>> <betwys1@sbcglobal.net> wrote:
>>>
>>>> I've got a problem. A good problem.
>>>>
>>>> Always wanted a clamp meter - but never wanted to pay the price.
>>>> So when the cheapie Chinese models came along, I bought one.
>>>> A model DT3266E to be precise.
>>>> 2A~ 20A~ 200A~ coupla ohms scales and voltage scales
>>>> with attached leads.
>>>>
>>>>
>>>> Anyway, I knew in my head that cheapie clamp ons are only
>>>> good for AC - and that's what the range selecter said too.
>>>>
>>>> But still, I bought a way expensive little lead acid battery for a Honda
>>>> Recon 4 wheel RV, and filled it with the acid provided then hooked it to
>>>> a charger.
>>>>
>>>> I tried the clip on. It read 2.5 A initially.
>>>> That seemed about right.
>>>> It tapered to 0.9 A in the next few hours. THAT seemed right.
>>>>
>>>> Here's the problem: if it works on DC (or maybe rough DC)
>>>> why is it marked for AC only?
>>>>
>>>> Brian W
>>>
>>> Could be a problem with the iron circuit getting sturated at higher
>>> levels of DC current, even though it seems to work at the lower
>>> levels, and also there may be the problem of magnetising the core, and
>>> causing subsequent measurements to be inaccurate.
>>>
>>> peter
>>
>> Thanks for the sensible suggestions, folks. The clamp is made from
>> laminations, no doubt.
>> Just surprised it tracked so well on low DC amps.
>

> Try it on straight DC, such as the main battery leads in your vehicle
> with headlights or sidelights only. You may just discover that
> Ralph's explanation is correct.
>
> (I have a cheapie battery charger which is nothing more than a
> transformer and full-wave bridge, so the waveform of charge current is
> a series of pulses at 100 Hz. I have two clampmeters, an AC-only unit
> which registers on my cheapie battery charger's output, and a
> Hall-effect cheapie which shows DC correctly. Must admit I haven't
> tried the HE one on the battery charger yet. Expect a "compromised"
> reading or just average current. Note to self ...).

Wandering way off topic - the talk of charging batteries with 'rough' DC reminds me that some years ago now, it was found that a "two steps forward, one step back" charging approach is supposed to have a very healthy effect on batteries. That is to say, a leaky recifier that discharges at a fraction of the rate that it charges on each half cycle is supposed to eliminate the formation of spurs and peaks on electrodes which improves battery life....
(Come to think of it, this 6 amp charger of mine never charges much over 2 amps any more, even when working into a battery with a dead cell)

Brian W

456. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-06 01:02:57 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <10c97069-de9c-4595-b07c-4af933726171@y13g2000prb.googlegroups.com>
Source record: 816

On Jul 3, 9:31 pm, clifford wright <c.c.wri...@paradise.net.nz> wrote:
> Good day!
> Can anyone point me towards a good design for a good RF stage for my home
> brew HF receiver. I have no less than 6 others hams in my small town and
> one within 400 metres, so I need good strong signal performance.
> 10 to 15 dB gain would be ample, but I would like to have 50 Ohm input and
> output impeadances.
> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal filter
> followed by a downconverting mixer to either 9MHz or 10.7 MHz with separate
> IF strips.
> Tuning is by a PA0KLT synthesiser.
> I have been a bit out of touch lately and am not very up to date with the
> latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double
> balanced mixer circuit.
> The rest of the sytem was built back in the early 1990's but put to one
> side until a better frequency sythesiser was available.
> Now it looks like the time to get things moving again!
> Regards Cliff Wright ZL1BDA ex G3NIA.

Ah, one of my favorite subjects...

You don't mention any specific numbers you're trying to reach...

I've been working on something where I need a modest-gain HF amplifier
with good intermod performance. I have a couple of Spectrum Microwave
amplifiers that have about 20dB gain, nice noise figure around 3dB,
and about +55dBm TOI. But...they cost close to $1000 each, and need
400mA at 24V--about ten watts! That's fine for testing, but not to
actually use in the circuit, both the cost and the power dissipation.

For about a watt dissipation, I can get similar gain and almost as
good TOI--but poorer NF--using a couple op amp packages, the first op
amp to get the gain and the second to buffer the output and drive 50
ohms. The NF in the mid-teens is still good enough for HF work,
especially when faced with huge signals. If you look at differential
op amps designed to drive high speed ADCs, you'll find some pretty
nice third order distortion numbers. Parts from Analog Devices,
Linear Technology and Texas Instruments all come to mind.

As Piero suggests, you need to pay attention to the mixers to get
similarly excellent performance there -- and even to the crystal
filters, to be sure that they are up to the task of keeping distortion
low.

Also, I've built quite a few preselection filters for HF, and after
trying lots of different types of inductors (ferrite and powdered iron

toroid core, and magnetic-cored solenoid coils), decided that the only coils I could use and guarantee adequately low distortion were ones with non-magnetic cores...nominally "air" core coils. Unfortunately, they are not as nice about rejecting external fields as the toroids, so I've had to be careful about shielding.

I also spent quite a bit of time looking for switches with adequately low distortion. I needed to switch filters quickly and potentially millions of times, so I looked at every electronic switch I could find. None of them was particularly good at HF. I found some tiny reed relays, and they are OK, but even they contribute significant distortion--barely good enough for what I was doing. Thankfully, they last pretty much forever when switching RF at less than perhaps +10dBm. RF armature relays that I've tested are all pretty darned good--but have finite life.

Summary: if you want to be serious about low distortion, you need to look at pretty much every part of the circuit. That includes asking questions like, "Do I really need that RF amplifier, or is the NF going straight into the mixer good enough?" and, "Can I rearrange the circuit blocks to get even better performance?"

Cheers,
Tom

457. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-06 11:07:52 UTC
From: "Gian, I7SWX" <i7swx@yahoo.com>
Message-ID: <9424ec09-dea2-41c4-9626-93bc88d041e2@v10g2000yqn.googlegroups.com>
Source record: 817

On Jul 4, 6:31 am, clifford wright <c.c.wri...@paradise.net.nz> wrote:
> Good day!
> Can anyone point me towards a good design for a good RF stage for my home
> brew HF receiver. I have no less than 6 others hams in my small town and
> one within 400 metres, so I need good strong signal performance.
> 10 to 15 dB gain would be ample, but I would like to have 50 Ohm input and
> output impeadances.
> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal filter
> followed by a downconverting mixer to either 9MHz or 10.7 MHz with separate
> IF strips.
> Tuning is by a PA0KLT synthesiser.
> I have been a bit out of touch lately and am not very up to date with the
> latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double
> balanced mixer circuit.
> The rest of the sytem was built back in the early 1990's but put to one
> side until a better frequency sythesiser was available.
> Now it looks like the time to get things moving again!
> Regards Cliff Wright ZL1BDA ex G3NIA
Hi Cliff,

Piero and Tom gave you good comments.

If you need a strong front end your problem is not in the rf
amplifier. You need a strong 1st and 2nd mixer and for this there is
no better solution than the H-Mode Mixer. Having a una upconversion
1st IF, your critical point will be the 2nd mixer that will receive
strong signal amplified by this stage..

If you look at PA3AKE web page you con find info regarding my
simplified version I7SWX 2T H-Mode Mixer (http://
martein.home.xs4all.nl/pa3ake/hmode/2t-hmode.html). This has only 2
transformers and homebrewed, not purchased. You will see the info on
transformers winding, the one with 5 windings may seem difficult but
is not. In low bands you may avoid to have a preamp. Look at the G3XJP
project Pic-A-Star (RSGB RadCom and also reported in the Handbook).

73

Gian
I7SWX

www.hurricaneproject.altervista.org

458. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-07 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1310018700@panix.com>
Source record: 818
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

459. HOT ACTRESES HOT VIDEOS DONT MISS YOUTH

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-09 00:39:52 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <ee17fc5d-d870-4c66-944c-162361a27663@h17g2000yqn.googlegroups.com>
Source record: 819

VERY VERY VERY HOT HOT HOT ONLY HOT
http://acresesandmodels.blogspot.com/2011/06/real-kiss-hot-videos.html

HOT HOT LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/hot-for-youth.html
SUPER HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-101.html
YOUTH HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-lip-kiss-12.html
ONLY HOT HOT
http://hotvideosfreesee.blogspot.com/2010/06/supr-hot-never-seen.html
SUPER HOT NEVER SEEN
http://hotvideosfreesee.blogspot.com/2010/06/supe-r-hot-kiss-op.html
HEROINE LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/kajal-best-lip-kiss.html

for mopre hot videos
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

games

GAME 1
http://freeonlingamesplay.blogspot.com/2010/08/game-1.html
GAME 2
http://freeonlingamesplay.blogspot.com/2010/08/game-2.html

mobile

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http://mobileallinforation.blogspot.com/2010/08/mobile-games-free-download.html

mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

460. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-09 15:14:26 UTC
From: "Jan Jongejan, PE1SBG" <Vandaagniet@onbekend.zz>
Message-ID: <2e181$4e1870b4$d55dfeee$20680@news.chello.nl>
Source record: 820

clifford wright wrote:

> Good day!
> Can anyone point me towards a good design for a good RF stage for my
home
> brew HF receiver. I have no less than 6 others hams in my small town
and
> one within 400 metres, so I need good strong signal performance.
> 10 to 15 dB gain would be ample, but I would like to have 50 Ohm
input and
> output impeadances.
> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal
> filter followed by a downconverting mixer to either 9MHz or 10.7 MHz
with
> separate IF strips.
> Tuning is by a PA0KLT synthesiser.
> I have been a bit out of touch lately and am not very up to date with
the
> latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double
> balanced mixer circuit.
> The rest of the sytem was built back in the early 1990's but put to
one
> side until a better frequency sythesiser was available.
> Now it looks like the time to get things moving again!
> Regards Cliff Wright ZL1BDA ex G3NIA.

Why do yo need more amplification in front of your receiver. It's
making more sense to use a tunable preselector.And putting the
amplification in the IF's.

Regards,
Jan PE1SBG

461. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-09 20:50:11 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <ivaeu7$156$1@dont-email.me>
Source record: 821

When the band is open with lots of strong signals you don't want a
preamp, in fact you might want to switch in an attenuator to reduce the
signal strength into the first mixer. The K3 gives the user the option
of using a preamp or an attenuator (or BOTH(!) since the preamp has more
gain than the attenuator has attenuation so using both just gives less
gain). You also have the option of an IF preamp and two gain settings
for it.

In the Picstar there is a preamp using 4 parallel jfets that can be
switched as an RF preamp or an IF preamp. Since the Picastar's first
mixer is used on transmit and receive the preamp is used as an IF preamp
(actually postamp) on transmit. The use of the preamp in the receiver
for RF gives the best NF, while in the IF stage it gives the best IP.
The K3 uses a bipolar transistor for the preamp stage and there can be
some debate as to which type of preamp is actually better (probably the
bipolar gives the best IP and the parallel fet gives the best NF). I
think the fet preamp is preferred on the east side of the 'pond' and the
bipolar is favored on the west side.

Other than saving some parts (but costing something for switches) using
the same mixer bilaterally is probably not the greatest idea.
Personally, I would use the H-Mode mixer for the receiver and provide
the option to switch in a preamp and/or attenuator before the mixer, and
an IF preamp after. The RF preamp would use a 2n3886 or 2n5109 bipolar
transistor running with as high a collector current as possible for the
best IP. The IF preamp might use the parallel fets.
For the transmit mixer I'd use one of the MCL canned diode mixers with a
bipolar preamp. The transmit mixer doesn't need to be a high IP type
mixer, we can control the signal levels here to get the best results and
distribute the power gain in previous and prior stages as required.

On 07/06/2011 07:07 AM, Gian, I7SWX wrote:
> On Jul 4, 6:31 am, clifford wright<c.c.wri...@paradise.net.nz> wrote:
>> Good day!
>> Can anyone point me towards a good design for a good RF stage for my home
>> brew HF receiver. I have no less than 6 others hams in my small town and
>> one within 400 metres, so I need good strong signal performance.
>> 10 to 15 dB gain would be ample, but I would like to have 50 Ohm input and
>> output impeadances.
>> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal filter
>> followed by a downconverting mixer to either 9MHz or 10.7 MHz with separate
>> IF strips.
>> Tuning is by a PA0KLT synthesiser.
>> I have been a bit out of touch lately and am not very up to date with the
>> latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double

>> balanced mixer circuit.
>> The rest of the sytem was built back in the early 1990's but put to one
>> side until a better frequency sythesiser was available.
>> Now it looks like the time to get things moving again!
>> Regards Cliff Wright ZL1BDA ex G3NIA
> Hi Cliff,
>
> Piero and Tom gave you good comments.
>
> If you need a strong front end your problem is not in the rf
> amplifier. You need a strong 1st and 2nd mixer and for this there is
> no better solution than the H-Mode Mixer. Having a una upconversion
> 1st IF, your critical point will be the 2nd mixer that will receive
> strong signal amplified by this stage..
>
> If you look at PA3AKE web page you con find info regarding my
> simplified version I7SWX 2T H-Mode Mixer (http://
> martein.home.xs4all.nl/pa3ake/hmode/2t-hmode.html). This has only 2
> transformers and homebrewed, not purchased. You will see the info on
> transformers winding, the one with 5 windings may seem difficult but
> is not. In low bands you may avoid to have a preamp. Look at the G3XJP
> project Pic-A-Star (RSGB RadCom and also reported in the Handbook).
>
> 73
>
> Gian
> I7SWX
>
> www.hurricaneproject.altervista.org

462. Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-10 09:05:28 UTC
From: Stuart Longland VK4MSL <me@vk4msl.yi.org>
Message-ID: <f99031d0-0f83-4a3d-bae8-9db14efb317c@e26g2000prf.googlegroups.com>
Source record: 822

Hi all…

I've recently purchased a 2m linear amplifier kit to replace a FL-2025 linear that keeled over on me some time back. The set I'll be using it is a Yaesu FT-290R II and I intend to run the set in low power mode (~300mW as best I can tell) to reduce the size of any attenuators in-circuit.

In fact, I intend to make the attenuators switchable; probably a two-port device using SMA connectors, so I can switch to a 5W attenuator if I want to use a handheld into it, or even take it out completely if I plug in a homebrew set of <100mW power.

The power amp module I'm using is the Mitsubishi RA60H1317M, which has a maximum input power limit of 100mW. I've been told 50mW is plenty enough to saturate the output, so likely, I'll be aiming for no more than 50mW. By my reckoning, a 10dB attenuator should give me 30mW. I'm only allowed 30W FM on my grade license, and the set previously only did 25W, so if it's that rather than the full 60W, I'm happy.

I am allowed to use up to 100W SSB, and maybe I might look into eeking out the full 60W PEP there, but that'll be a later project.

One thing I wish to ensure though, is that should the set accidentally get switched to full power, or swapped for another set, that something *other* than the amplifier module or transceiver, blows up. If I smoke an attenuator, big deal. I'd like to ensure however that the fault can be quickly detected and suitable protection is in place.

I'm thinking along the lines of voltage clamping with diodes. Working backwards; 100mW RMS into 50 ohms, gives 2.236Vrms. Converting this to a peak-to-peak voltage, we have 3.162V, which means a voltage swing from -1.581V to +1.581V.

This seems close-enough to the 1.4V forward voltage drop that's typically seen when combining two 1N4148 diodes in series. Two pairs of series-connected diodes in an anti-parallel configuration, would divert the RF power when the peak-to-peak voltage exceeds 2.8V. This translates to an RMS voltage of 1.980V, which across 50ohms gives 78.4mW.

Safely within the amplifier's limits. I'm wondering what the catch is. It looks simple, but I notice people don't do it, which makes me think there's a reason why this is a bad idea, aside from the fact the diodes are going to distort like hell. (And lets face it, the amp will distort if you overdrive it anyway…)

Apart from use of appropriate attenuator circuits, and making sure you check power levels at all times, is there anything I can do to prevent such accidents?

Regards,
Stuart Longland VK4MSL

463. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-10 13:02:09 UTC
From: "Jan Jongejan, PE1SBG" <Vandaagniet@onbekend.zz>
Message-ID: <c0e68$4e19a332$d55dfeee$8510@news.chello.nl>
Source record: 823

Stuart Longland VK4MSL wrote:

> Hi all…
>
> I've recently purchased a 2m linear amplifier kit to replace a FL-2025
> linear that keeled over on me some time back. The set I'll be using
> it is a Yaesu FT-290R II and I intend to run the set in low power mode
> (~300mW as best I can tell) to reduce the size of any attenuators in-
> circuit.
>
> In fact, I intend to make the attenuators switchable; probably a two-
> port device using SMA connectors, so I can switch to a 5W attenuator
> if I want to use a handheld into it, or even take it out completely if
> I plug in a homebrew set of <100mW power.
>
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> a maximum input power limit of 100mW. I've been told 50mW is plenty
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> than 50mW. By my reckoning, a 10dB attenuator should give me 30mW.
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> only did 25W, so if it's that rather than the full 60W, I'm happy.
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> One thing I wish to ensure though, is that should the set accidentally
> get switched to full power, or swapped for another set, that something
> *other* than the amplifier module or transceiver, blows up. If I
> smoke an attenuator, big deal. I'd like to ensure however that the
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> translates to an RMS voltage of 1.980V, which across 50ohms gives
> 78.4mW.
>
> Safely within the amplifier's limits. I'm wondering what the catch

> is. It looks simple, but I notice people don't do it, which makes me
> think there's a reason why this is a bad idea, aside from the fact the
> diodes are going to distort like hell. (And lets face it, the amp
> will distort if you overdrive it anyway…)
>
> Apart from use of appropriate attenuator circuits, and making sure you
> check power levels at all times, is there anything I can do to prevent
> such accidents?
>
> Regards,
> Stuart Longland VK4MSL

How about an automatic PINdiode attennuator. I've seen one in a magazine.
You might find with Google.

Regards,
Jan PE1SBG

464. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 00:29:08 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <ivdg4k$t0j$2@dont-email.me>
Source record: 824

On 10/07/2011 11:02 PM, Jan Jongejan, PE1SBG wrote:
> Stuart Longland VK4MSL wrote:
>
>> Hi all…
>>
>> I've recently purchased a 2m linear amplifier kit to replace a FL-2025
>> linear that keeled over on me some time back. The set I'll be using
>> it is a Yaesu FT-290R II and I intend to run the set in low power mode
>> (~300mW as best I can tell) to reduce the size of any attenuators in-
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>>
>> In fact, I intend to make the attenuators switchable; probably a two-
>> port device using SMA connectors, so I can switch to a 5W attenuator
>> if I want to use a handheld into it, or even take it out completely if
>> I plug in a homebrew set of<100mW power.
>>
>> The power amp module I'm using is the Mitsubishi RA60H1317M, which has
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>>
>> I am allowed to use up to 100W SSB, and maybe I might look into eeking
>> out the full 60W PEP there, but that'll be a later project.
>>
>> One thing I wish to ensure though, is that should the set accidentally
>> get switched to full power, or swapped for another set, that something
>> *other* than the amplifier module or transceiver, blows up. If I
>> smoke an attenuator, big deal. I'd like to ensure however that the
>> fault can be quickly detected and suitable protection is in place.
>>
>> I'm thinking along the lines of voltage clamping with diodes. Working
>> backwards; 100mW RMS into 50 ohms, gives 2.236Vrms. Converting this
>> to a peak-to-peak voltage, we have 3.162V, which means a voltage swing
>> from -1.581V to +1.581V.
>>
>> This seems close-enough to the 1.4V forward voltage drop that's
>> typically seen when combining two 1N4148 diodes in series. Two pairs
>> of series-connected diodes in an anti-parallel configuration, would
>> divert the RF power when the peak-to-peak voltage exceeds 2.8V. This
>> translates to an RMS voltage of 1.980V, which across 50ohms gives
>> 78.4mW.
>>

>> Safely within the amplifier's limits. I'm wondering what the catch
>> is. It looks simple, but I notice people don't do it, which makes me
>> think there's a reason why this is a bad idea, aside from the fact the
>> diodes are going to distort like hell. (And lets face it, the amp
>> will distort if you overdrive it anyway…)
>>
>> Apart from use of appropriate attenuator circuits, and making sure you
>> check power levels at all times, is there anything I can do to prevent
>> such accidents?
>>
>> Regards,
>> Stuart Longland VK4MSL
>
> How about an automatic PINdiode attennuator. I've seen one in a magazine.
> You might find with Google.
>
> Regards,
> Jan PE1SBG
Wouldn't a simple power divider do the job ?
some sort of resistor arrangement acting as a pad

--
X-No-Archive: Yes

465. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 02:19:12 UTC
From: Kickin' Ass and Takin' Names <PopUlist349@hotmail.com>
Message-ID: <jcnk175329acgk098688bm9aco0fl7jjoo@4ax.com>
Source record: 825

On Mon, 11 Jul 2011 10:29:08 +1000, atec77 <atec77@hotmail.com> wrote:

>On 10/07/2011 11:02 PM, Jan Jongejan, PE1SBG wrote:
>> Stuart Longland VK4MSL wrote:
>>
>>> Hi allï¿½
>>>
>>> I've recently purchased a 2m linear amplifier kit to replace a FL-2025
>>> linear that keeled over on me some time back. The set I'll be using
>>> it is a Yaesu FT-290R II and I intend to run the set in low power mode
>>> (~300mW as best I can tell) to reduce the size of any attenuators in-
>>> circuit.
>>>
>>> In fact, I intend to make the attenuators switchable; probably a two-
>>> port device using SMA connectors, so I can switch to a 5W attenuator
>>> if I want to use a handheld into it, or even take it out completely if
>>> I plug in a homebrew set of<100mW power.
>>>
>>> The power amp module I'm using is the Mitsubishi RA60H1317M, which has
>>> a maximum input power limit of 100mW. I've been told 50mW is plenty
>>> enough to saturate the output, so likely, I'll be aiming for no more
>>> than 50mW. By my reckoning, a 10dB attenuator should give me 30mW.
>>> I'm only allowed 30W FM on my grade license, and the set previously
>>> only did 25W, so if it's that rather than the full 60W, I'm happy.
>>>
>>> I am allowed to use up to 100W SSB, and maybe I might look into eeking
>>> out the full 60W PEP there, but that'll be a later project.
>>>
>>> One thing I wish to ensure though, is that should the set accidentally
>>> get switched to full power, or swapped for another set, that something
>>> *other* than the amplifier module or transceiver, blows up. If I
>>> smoke an attenuator, big deal. I'd like to ensure however that the
>>> fault can be quickly detected and suitable protection is in place.
>>>
>>> I'm thinking along the lines of voltage clamping with diodes. Working
>>> backwards; 100mW RMS into 50 ohms, gives 2.236Vrms. Converting this
>>> to a peak-to-peak voltage, we have 3.162V, which means a voltage swing
>>> from -1.581V to +1.581V.
>>>
>>> This seems close-enough to the 1.4V forward voltage drop that's
>>> typically seen when combining two 1N4148 diodes in series. Two pairs
>>> of series-connected diodes in an anti-parallel configuration, would
>>> divert the RF power when the peak-to-peak voltage exceeds 2.8V. This
>>> translates to an RMS voltage of 1.980V, which across 50ohms gives

>>> 78.4mW.
>>>
>>> Safely within the amplifier's limits. I'm wondering what the catch
>>> is. It looks simple, but I notice people don't do it, which makes me
>>> think there's a reason why this is a bad idea, aside from the fact the
>>> diodes are going to distort like hell. (And lets face it, the amp
>>> will distort if you overdrive it anywayï¿½)
>>>
>>> Apart from use of appropriate attenuator circuits, and making sure you
>>> check power levels at all times, is there anything I can do to prevent
>>> such accidents?
>>>
>>> Regards,
>>> Stuart Longland VK4MSL
>>
>> How about an automatic PINdiode attennuator. I've seen one in a magazine.
>> You might find with Google.
>>
>> Regards,
>> Jan PE1SBG
>Wouldn't a simple power divider do the job ?
> some sort of resistor arrangement acting as a pad

Or maybe a few feet of lossy coax.

Democrats view George Orwell's novel "1984" as a cautionary tale.

Republicans see the novel as their blueprint.

KATN

466. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 08:01:30 UTC
From: Stuart Longland VK4MSL <me@vk4msl.yi.org>
Message-ID: <f2c3c0fe-2086-4b14-bdd1-829af6ab5c71@q34g2000prf.googlegroups.com>
Source record: 826

On Jul 10, 11:02 pm, "Jan Jongejan, PE1SBG" <Vandaagn...@onbekend.zz>
wrote:
> Stuart Longland VK4MSL wrote:
> > Apart from use of appropriate attenuator circuits, and making sure you
> > check power levels at all times, is there anything I can do to prevent
> > such accidents?
>
> How about an automatic PINdiode attennuator. I've seen one in a magazine.
> You might find with Google.
>
> Regards,
> Jan PE1SBG

Ahh okay, that's one possibility… I could conceivably default to
fairly high attenuation, then ramp it up until it hits the desired
mark.

http://www.rf114.com/lib/download.php?code=tbl_board&seq_name=bseq&seq=695
is one such circuit I dug up. I'll have to delve into the theory a
bit more to see if I can make it work.

Thanks

467. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 08:08:11 UTC
From: Stuart Longland VK4MSL <me@vk4msl.yi.org>
Message-ID: <91c7c169-b7a7-4e76-83ed-cd54dc4f6ab8@q34g2000prf.googlegroups.com>
Source record: 827

On Jul 11, 12:19 pm, Kickin' Ass and Takin' Names
<PopUlist...@hotmail.com> wrote:
> On Mon, 11 Jul 2011 10:29:08 +1000, atec77 <ate...@hotmail.com> wrote:
> >Wouldn't a simple power divider do the job ?
> > > some sort of resistor arrangement acting as a pad
>
> Or maybe a few feet of lossy coax.

It would, and I aim to use one of these. The plan is a small module
with two SMA connectors (or similar) plugs in and provides the
attenuation. A resistive pad… the amount of coax needed here would
not be practical unless it was *very* lossy. A few feet would be
quite inconvenient, and again, would offer fixed-value attenuation
only, unless I missed something.

However, I can design an attenuator to give me 50mW from 500mW
(-10dB), all will be fine, but the moment 5W gets pumped in, for
whatever reason, up goes the amp in smoke, as it will be 500mW, not
50mW that gets through.

I'd just like something cheap that can let out the smoke rather than
the amplifier module. Smoke isn't a bad thing in itself, as it'll
tell me I've done the wrong thing, and if it's a cheap part/module
that can be field-replaceable, that is even better. An amplifier
module does not classify as a cheap field-replaceable part however.

468. HOT SEXY VIDEOS OPEN FOR SEXY GIRLS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 11:03:23 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <d50d09d1-2db2-4813-b036-5c811adff9ae@28g2000pry.googlegroups.com>
Source record: 828

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

469. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 11:37:15 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <9aCdnRfzwsrSfYfTnZ2dnUVZ_rudnZ2d@bright.net>
Source record: 829

On 7-11-2011 08:08, Stuart Longland VK4MSL wrote:
> On Jul 11, 12:19 pm, Kickin' Ass and Takin' Names
> <PopUlist...@hotmail.com> wrote:
>> On Mon, 11 Jul 2011 10:29:08 +1000, atec77<ate...@hotmail.com> wrote:
>>> Wouldn't a simple power divider do the job ?
>>> some sort of resistor arrangement acting as a pad
>>
>> Or maybe a few feet of lossy coax.
>
> It would, and I aim to use one of these. The plan is a small module
> with two SMA connectors (or similar) plugs in and provides the
> attenuation. A resistive padï¿½ the amount of coax needed here would
> not be practical unless it was *very* lossy. A few feet would be
> quite inconvenient, and again, would offer fixed-value attenuation
> only, unless I missed something.
>
> However, I can design an attenuator to give me 50mW from 500mW
> (-10dB), all will be fine, but the moment 5W gets pumped in, for
> whatever reason, up goes the amp in smoke, as it will be 500mW, not
> 50mW that gets through.
>
> I'd just like something cheap that can let out the smoke rather than
> the amplifier module. Smoke isn't a bad thing in itself, as it'll
> tell me I've done the wrong thing, and if it's a cheap part/module
> that can be field-replaceable, that is even better. An amplifier
> module does not classify as a cheap field-replaceable part however.

Maybe a simple fuse in-line like they do on signal generators to protect them from people transmitting into them. You can calculate the current for your low power setting by using Ohm's Law and then add say 50% to that value to find the fuse rating. You could test it by hooking up a dummy load in place of the amp and set the radio to low power. The fuse shouldn't blow. Set the radio to the most likely power if you forget to go to lower power and try it. The fuse should blow quickly. They make fuses that look like leaded resistors, so you could probably break the PC trace on the RF input line inside the amp and solder the fuse across the break. You'd have to open the amp to replace, but having it in the trace will keep lead length down.

N0EDV

470. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-11 11:46:32 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <6Yydndu5P4_mf4fTnZ2dnUVZ_h6dnZ2d@bright.net>
Source record: 830

On 7-11-2011 11:37, Scott wrote:
> On 7-11-2011 08:08, Stuart Longland VK4MSL wrote:
>> On Jul 11, 12:19 pm, Kickin' Ass and Takin' Names
>> <PopUlist...@hotmail.com> wrote:
>>> On Mon, 11 Jul 2011 10:29:08 +1000, atec77<ate...@hotmail.com> wrote:
>>>> Wouldn't a simple power divider do the job ?
>>>> some sort of resistor arrangement acting as a pad
>>>
>>> Or maybe a few feet of lossy coax.
>>
>> It would, and I aim to use one of these. The plan is a small module
>> with two SMA connectors (or similar) plugs in and provides the
>> attenuation. A resistive padï¿½ the amount of coax needed here would
>> not be practical unless it was *very* lossy. A few feet would be
>> quite inconvenient, and again, would offer fixed-value attenuation
>> only, unless I missed something.
>>
>> However, I can design an attenuator to give me 50mW from 500mW
>> (-10dB), all will be fine, but the moment 5W gets pumped in, for
>> whatever reason, up goes the amp in smoke, as it will be 500mW, not
>> 50mW that gets through.
>>
>> I'd just like something cheap that can let out the smoke rather than
>> the amplifier module. Smoke isn't a bad thing in itself, as it'll
>> tell me I've done the wrong thing, and if it's a cheap part/module
>> that can be field-replaceable, that is even better. An amplifier
>> module does not classify as a cheap field-replaceable part however.
>
> Maybe a simple fuse in-line like they do on signal generators to protect
> them from people transmitting into them. You can calculate the current
> for your low power setting by using Ohm's Law and then add say 50% to
> that value to find the fuse rating. You could test it by hooking up a
> dummy load in place of the amp and set the radio to low power. The fuse
> shouldn't blow. Set the radio to the most likely power if you forget to
> go to lower power and try it. The fuse should blow quickly. They make
> fuses that look like leaded resistors, so you could probably break the
> PC trace on the RF input line inside the amp and solder the fuse across
> the break. You'd have to open the amp to replace, but having it in the
> trace will keep lead length down.
>
> N0EDV
>
>

Calculating for 50 mW at 50 Ohms, yields about 32 mA. DigiKey (in the USA) sells 50 mA fuses in surface mount packages, which would be ideal for putting across a cut in a circuit trace inside the amp. A 50 mA fuse should blow at about 125 mW.

http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=478-6482-1-ND

N0EDV

471. Re: Input power limiting on VHF (2m) linear amplifier

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-12 11:07:34 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <520736fb-07ef-4c90-ab8d-2523fadcd3c4@b2g2000vbo.googlegroups.com>
Source record: 831

Hey OT:

Fuses are nice, I can tell you from experience, they are slow slow
slow when it comes time to blow, even so called fast blow fuses are
slow.
The real reason to have a fuse is to prevent a fire.

73 OT
de n8zu

hey
>
> Calculating for 50 mW at 50 Ohms, yields about 32 mA. DigiKey (in the
> USA) sells 50 mA fuses in surface mount packages, which would be ideal
> for putting across a cut in a circuit trace inside the amp. A 50 mA
> fuse should blow at about 125 mW.
>
> http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=478-...
>
> N0EDV

472. HOT FOR TENAGERS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-14 11:34:53 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <c733a59f-bdf9-4779-a356-be3dce35fbe3@q29g2000prj.googlegroups.com>
Source record: 832

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http://southactresstou.blogspot.com/2011/07/tamanna-wallpapers.html
PRANITHA LATEST BEAUTIFUL PHOTOS
http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
KAJAL AGARWAL HOT SEXY PHOTOS
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html
AISHWARYA RAI UNBELIVABLE PHOTO
http://southactresstou.blogspot.com/2011/05/aishwarya-rai.html
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http://southactresstou.blogspot.com/2011/06/tapsee-rare-photos.html

FOR FAST UPDATES IN TELUGU FILM INDUSTRY
http://allyouwants.blogspot.com

473. DEMI 2304 transverter for sale

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-15 22:37:44 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <gf-dnWc5fs2WXL3TnZ2dnUVZ_jIAAAAA@bright.net>
Source record: 833

Need to move this to finance a new project. Set up for 10W in at 144 MHz. Output 1W at 2304 MHz. Works perfectly. My 2304 weak signal source at -85 dBm gives S9 on my I.F. radio. $495 and free shipping to USA only, no International. You can see it along with more details at http://corbenflyer.tripod.com/ on my ham radio page there and it has my email contact info.

Scott
N0EDV

474. HOT VIDEOS WEBSITES AND PHOTO SITES

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-17 14:56:30 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <56f02cfe-826d-48ab-bf98-ed389bbe89c1@a2g2000prf.googlegroups.com>
Source record: 834

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
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http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
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dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

475. Re: Where is "on when engine is running" wire in F-150 pickup?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-18 13:58:32 UTC
From: BigRedTruck <pberry2@cfl.rr.com>
Message-ID: <4e243c2c$0$30078$9a6e19ea@unlimited.newshosting.com>
Source record: 835

On 06/30/2011 12:14 AM, Myron A. Calhoun wrote:
> I want to put a second battery (for my radios) in my 1994 F-150 pickup
> truck and connect it to the original battery (for the starter and
> engine) with a relay such that the batteries are in parallel when the
> engine is running (and the generator is presumably generating) and are
> separate when the engine is not running. I did this with my previous
> '84 F-100 pickup, but I can't find the "on when engine is running" wire
> in my F-150. Does this wire appear anywhere under the hood?
>
> --W0PBV.

I found one for my fog lights relay power, in the fuse box, mounted on
the driver side inner fender liner. I used a connection going to a relay
that is only on when ignition.

When connecting a second battery, for accessories, that charges when the
engine is on, but can't discharge the main battery, I always use
a the heavy duty RV diode block, with center connector fed by heavy wire
(4 to 10 gauge) that connects to the alternator positive post,
after separating that charging wire from the alternator.

Alt Pos. charging wire Battery
+ ------------/ /----------- +
cut or disconnect Alternator charging wire,

reroute Alt + wire to Diode pack Center Bolt,
Alt+----------------------|
Orig. battery +------|< Post >|-----+(new battery)

The two 150 Amp to 300 Amp diodes usually are in a heat sink, sold by
most auto and RV stores and online dealers, audio stores, or, here:
> http://www.hellroaring.com/

who promotes very low voltage drops, less than .0005 VDC!
Also sells Solid State Relays...

476. Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-23 21:41:19 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j0ff62$lu8$1@dont-email.me>
Source record: 836

Looking through my junkbox I found a roller coil and several larger variable capacitors that I had put away some years ago with the idea of building a 'transmatch'. I have one 250pf and two 500pf variables, probably in the 300 watt category (which would be fine for me). In looking over QST articles I see three different possible configurations:
1: the Ultimate Transmatch from 1970
2: the SPC transmatch from the late 1970's
3: the "T" network

From what I've read, the old Ultimate circuit had a good wide range and low loss. It's bad point was that it could act as a high pass network instead of a band pass network in some settings. This means it would have very little harmonic suppression. The SPC circuit would always act as a bandpass network, but in some settings it's loss was high. As a result both of these have fallen out of favor these days. The "T" network is what most current antenna tuners are using. Yet the "T" network has two problems: 1: there are many combinations of settings that will yield a good match but many combinations result in high currents or high voltages across the components resulting in arc over or smoke. 2: The "CLC" "T" network always acts as a high pass network so has little harmonic suppression. (The "LCL" "T" network would act as a low pass network, but would require TWO variable inductors and cost quite a bit more).

The reason why the "T" network is acceptable today is that most modern transmitters have enough harmonic suppression that the antenna tuner does not need to add any more. With this in mind, it would also appear that the older Ultimate Transmatch circuit would be acceptable today. It does not have the high loss of the SPC or the 'cranky' behavior of the "T" network.

I think that I can use the two 500pf variables (Johnson 500E20) as the dual section part of the circuit by ganging them with insulated couplings and mounting the capacitors with ceramic standoffs. They are twice as large as what the original circuit called for though. The 250pf (Johnson 250E45) variable will serve as the series capacitor. It also needs to be mounted on ceramic standoffs. The roller coil has one end with wide spacing.
I also have two national 'velvet vernier' dials for the caps and a turns counter dial for the coil.

Has anybody out there experimented with these circuits, what results did you get?

477. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-24 10:23:10 UTC
From: Edward Feustel <efeustel@hughes.net>
Message-ID: <k4sn27h1kcqkijkqi53hlnu75baucntqbi@4ax.com>
Source record: 837

You left out the most important part: What kind of antennas are you
trying to feed? Are they resonant? Just centerfeds? Longwire?
Multi-band? Coax fed? Balanced Fed?

IMHO, these are the factors that should be considered when you
choose a network before you build the antenna tuner.

You may want to read the ARRL Antenna Tuner Book (New) to
get an idea of what commercial firms are building and their
efficiencies. It is very revealing!
73,

Ed, N5EI

478. Re: KD8CTL GOT FAT

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-24 18:55:45 UTC
From: radio rambo <radiorambo@nomail.invalid>
Message-ID: <4e2c6b9d$0$31321$a8266bb1@newsreader.readnews.com>
Source record: 838
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.radio.amateur.misc

"kb9rqz" wrote in message
http://kd8ctl.blogspot.com/

WOW! Gav has put on a few tons!

479. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-24 19:18:42 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j0hr6j$e74$1@dont-email.me>
Source record: 839

For the most part I will be using coax fed antennas.

There is an idea I've been thinking about and I wonder if it will work. There is a myth that high SWR on coax will produce a high line loss. Most of the loss involved with having a high SWR is in the coupling to the receiver / transmitter, not so much in the transmission line itself, at least not at HF. So long as a high voltage is no present on the transmission line (arc over) or a very high current (resistive loss), and the dielectric material does not introduce loss at the frequency involved common 1/2" dia coax should work fine as an unbalanced feed line even at a high swr ratio.

Common Ferrite core balums do not usually work well at impedances above 50/75 ohms input. Using them to convert an unbalanced transmatch to a balanced one AT THE OUTPUT is usually not a good idea. (Insulate the transmatch from ground and put the balum at the input works better). A "choke" balum made by winding 10 turns or so of coax in a loop about a foot or so in diameter has lower loss than a ferrite core balum, no core heating.

So my idea was to run a length of coax from the shack through the attic crawl space and up to the roof (though a vent turbine). On the roof would be a coax choke balum connected to 450 ohm twinlead "open wire" line. This would connect to a "multiband" dipole. There is no way I can run the open wire line from the shack up to the roof, this stuff must be run 'in the clear' anyway. Coax being an unbalanced line is not affected by it's surroundings.

I've done some more reading, and both the 'ultimate' circuit and the SPC circuit are modifications of the 'CLC T' network, neither one of them actually being an improvement of the latter. Most of todays antenna tuners are 'T' networks, the remainder are 'L' networks with the C being switchable between the input and output. Also the 'C' can be series or parallel. (The series-C 'L' network is actually 1/2 of a 'T' network, just as the parallel-C 'L' network is actually 1/2 of a Pi network).

Maybe I should have jumper plugs and jacks in the circuit so I can quickly re-wire it to any of the above configurations (T L, C and Pi with both series and shunt C).

BTW the 500pf variables I have measure out at about 488pf and a minimum C of 19pf which is over 20 to 1 in range. The 250pf variable I have has a minimum C of about 30pf, so the 500pf units will actually work better on 10 meters than the smaller one. Of course their voltage rating is 'only' about 1.5-2 KV while the larger is about 3.5KV, but this isn't going to be a full gallon tuner.

On 07/24/2011 06:23 AM, Edward Feustel wrote:
> You left out the most important part: What kind of antennas are you
> trying to feed? Are they resonant? Just centerfeds? Longwire?
> Multi-band? Coax fed? Balanced Fed?
>
> IMHO, these are the factors that should be considered when you
> choose a network before you build the antenna tuner.
>
> You may want to read the ARRL Antenna Tuner Book (New) to
> get an idea of what commercial firms are building and their
> efficiencies. It is very revealing!
> 73,
>
> Ed, N5EI

480. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-24 21:35:24 UTC
From: Ralph Mowery <rmowery28146@earthlink.net>
Message-ID: <4e6dnQxictmKDbHTnZ2dnUVZ_uWdnZ2d@earthlink.com>
Source record: 840

"Kenneth Scharf" <wa2mze@bellsouth.net> wrote in message
news:j0hr6j$e74$1@dont-email.me...
> For the most part I will be using coax fed antennas.
>
> There is an idea I've been thinking about and I wonder if it will work.
> There is a myth that high SWR on coax will produce a high line loss. Most
> of the loss involved with having a high SWR is in the coupling to the
> receiver / transmitter, not so much in the transmission line itself, at
> least not at HF. So long as a high voltage is no present on the
> transmission line (arc over) or a very high current (resistive loss), and
> the dielectric material does not introduce loss at the frequency involved
> common 1/2" dia coax should work fine as an unbalanced feed line even at a
> high swr ratio.
>

There is no myth that high swr can cause high loss, especially in coax.

It depends on how much loss the line has and how much the swr actually is.
If you only have a db or so of loss, then a 5:1 swr is not that much of an
issue. If you have a line loss of 2 or 3 db or more and then have a 5:1 swr
or higher, you can loose 3 db or more in the feedline in addition to the
actual loss in the feedline at a matched load

Below 440 there is very little loss in the dielectric, but mostly in the
center wire of the coax and then usually the shield. As the swr goes up,
the IR loss of the conductors goes up.

As far as the coupling loss to the transmitter, most modern transceivers are
set for a 50 ohm load and will cut the power back or not couple very well to
the transmission line. Even most of the built in tuners are only good for
about a 3:1 swr.

481. get kelp

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-24 22:16:48 UTC
From: kb9rqz <mark@kb9rqz.com>
Message-ID: <ca3b4069-d5f6-4ec9-80a2-613f7eed58b9@r18g2000vbs.googlegroups.com>
Source record: 841
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.radio.amateur.misc

On Jul 24, 2:55 pm, "radio rambo" <radiora...@

482. `HOT SEXY PHOTOS&VIDEOS****

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-25 09:22:11 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <79126e42-eca4-45c3-b861-a7fbf5deb1a7@r5g2000prf.googlegroups.com>
Source record: 842

FOR GOOD JOBS SITES TO YOU
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FOR HOT PHOTO&VIDEOS

KATRINA KAIF RARE PHOTOS
http://southactresstou.blogspot.com/2011/07/katrina-kaif-wallpapers.html
TAMANNA HOT SEXY PHOTOS & VIDEOS
http://southactresstou.blogspot.com/2011/07/tamanna-wallpapers.html
PRANITHA LATEST BEAUTIFUL PHOTOS
http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
KAJAL AGARWAL HOT SEXY PHOTOS
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html
GOOD LOOKING DEEPIKA PADUKONE
http://southactresstou.blogspot.com/2011/05/deepika-padukone_22.html
AISHWARYA RAI UNBELIVABLE PHOTO
http://southactresstou.blogspot.com/2011/05/aishwarya-rai.html

FOR FAST UPDATES IN TELUGU FILM INDUSTRY
http://allyouwants.blogspot.com

483. HOT SEXY VIDEOS PRESENT MASLA PHOTOS FOR ADULTS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-26 00:49:14 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <1ab7599b-a30f-44e0-9e7a-30c968d9ea6a@g5g2000prn.googlegroups.com>
Source record: 843

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
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ALL INTERVIEW QUESTIONS

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SQL Server Interview Questions
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dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

484. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-26 20:18:00 UTC
From: KBa <kba@nic.fi>
Message-ID: <3iFXp.62944$mX5.20181@uutiset.elisa.fi>
Source record: 844

On 4.7.2011 7:31, clifford wright wrote:
> Good day!
> Can anyone point me towards a good design for a good RF stage for my home
> brew HF receiver. I have no less than 6 others hams in my small town and
> one within 400 metres, so I need good strong signal performance.
> 10 to 15 dB gain would be ample, but I would like to have 50 Ohm input and
> output impeadances.
> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal filter
> followed by a downconverting mixer to either 9MHz or 10.7 MHz with separate
> IF strips.
> Tuning is by a PA0KLT synthesiser.
> I have been a bit out of touch lately and am not very up to date with the
> latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET double
> balanced mixer circuit.
> The rest of the sytem was built back in the early 1990's but put to one
> side until a better frequency sythesiser was available.
> Now it looks like the time to get things moving again!
> Regards Cliff Wright ZL1BDA ex G3NIA.

Hello

Some late thoughts about amplifier candidate...
One simple but low cost one could be push-pull Jfet amplifier using
two J309 in parallel, gate grounded. Input can matched to 50 ohm using
1:0.7 input transformer (fets do have lower input impedance than 50 ohm
) and output at drains can be 4:1 balanced transformer.
Spice analysis shows around 9dB gain and very good wide-band input
matching, probably noise figure is also not much greater than one fet
alone, actually it should be lower. One thing needed is quite equal
fets, Idss and Vp, four matched fets should be still easy to find.
Sorry don't have more exact figures to give, but this could be one
candidate to evaluate.

br Kari B
Oh6io

485. 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-26 20:34:35 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <50ac723a-b303-454e-810d-615bcb6e7631@j15g2000yqf.googlegroups.com>
Source record: 845

30 year old piece of equipment operating pretty much flawlessly for that entire period. VCC and VEE on the 1448 is +/- 15 volts and the chip is overheating..... even with inputs and outputs disconnected the chip still overheats(130 F). I noticed that the manufacturer's sets the MAX power supply voltages at +/- 15 and understand this was probably designed on the hairy edge of failure but like I said its been working for 30 years and replacement chips work no better, what gives. Power supply can not be adjusted and there are other chips on the board that require the +- 15. d BTW cooling the chip makes it work. operating the chip from an external +- 12V power supply makes it work but modifying the circuit may not be an option. I saw where there are some CMOS versions of the 1488, I was wondering if they would handle the +- 15 volts better.

TIA
Jimmie

486. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 00:12:08 UTC
From: whatshisname@invalid.com
Message-ID: <yJIXp.20359$Ah6.16245@newsfe26.ams2>
Source record: 846

30 year old piece of equipment operating pretty much flawlessly for
that entire period. VCC and VEE on the 1448 is +/- 15 volts and the
chip is overheating..... even with inputs and outputs disconnected the
chip still overheats(130 F). I noticed that the manufacturer's sets
the MAX power supply voltages at +/- 15 and understand this was
probably designed on the hairy edge of failure but like I said its
been working for 30 years and replacement chips work no better, what
gives. Power supply can not be adjusted and there are other chips on
the board that require the +- 15. d BTW cooling the chip makes it
work. operating the chip from an external +- 12V power supply makes it
work but modifying the circuit may not be an option. I saw where there
are some CMOS versions of the 1488, I was wondering if they would
handle the +- 15 volts better.

TIA
Jimmie

I would hang a small PC fan in there, and call it a modification

487. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 11:21:09 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <fJadnXcrSq4LabLTnZ2dnUVZ_rudnZ2d@bright.net>
Source record: 847

On 7-26-2011 20:34, JIMMIE wrote:
> 30 year old piece of equipment operating pretty much flawlessly for
> that entire period. VCC and VEE on the 1448 is +/- 15 volts and the
> chip is overheating..... even with inputs and outputs disconnected the
> chip still overheats(130 F). I noticed that the manufacturer's sets
> the MAX power supply voltages at +/- 15 and understand this was
> probably designed on the hairy edge of failure but like I said its
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> the board that require the +- 15. d BTW cooling the chip makes it
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> work but modifying the circuit may not be an option. I saw where there
> are some CMOS versions of the 1488, I was wondering if they would
> handle the +- 15 volts better.
>
>
> TIA
> Jimmie

Can you cut the circuit trace of the voltages (Vcc, Vee) feeding the IC and strap in a pair of diodes (in series) such as IN914 types in each supply line? Each diode drops about .7V, so you would end up with about +/- 13.5V at the IC. If you want even lower voltage at the IC, add in another diode or two in each supply line. Ensure proper polarity...in the Vcc supply lines, the diode cathodes would go toward the IC and the Vee diodes would have the anodes toward the IC. Just a thought. Or, if you know how much current the device draws through each supply (Vcc and Vee), you could place a single zener diode in series with the supply voltages to the IC and the polarities would be opposite of using 1N914 diodes. Just find a zener of about 2.5-3V that is rated at about twice the current the IC draws from each supply.

N0EDV

488. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 18:42:36 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <60413987-14af-4ca4-a8ae-2854626bacd3@u28g2000prm.googlegroups.com>
Source record: 848

On Jul 26, 4:34 pm, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> 30 year old piece of equipment operating pretty much flawlessly for
> that entire period. VCC and VEE on the 1448 is +/- 15 volts and the
> chip is overheating..... even with inputs and outputs disconnected the
> chip still overheats(130 F). I noticed that the manufacturer's sets
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> work. operating the chip from an external +- 12V power supply makes it
> work but modifying the circuit may not be an option. I saw where there
> are some CMOS versions of the 1488, I was wondering if they would
> handle the +- 15 volts better.
>
> TIA
> Jimmie

Hey OT
cmos will handle +- 15volts but runs hot, if it's flawless rail to
rail you won't have a problem they will run hotter if not taken all
the way down town.

73 OM
de n8zu

489. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 18:58:30 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <3f10c24a-429e-4672-bcb5-1adf1aae740e@q29g2000prj.googlegroups.com>
Source record: 850

hey OT

The National DS14c88 is the cmos replacement the specs take it to
+-13volts, at 15volts it draw more current so the loads on the output
have to be low enough to stay below the Pd of I think it was 1300mw
73 OM
de n8zu

490. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 19:10:19 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <c8117c34-6613-4880-89e0-7a15f2f1de97@r5g2000prf.googlegroups.com>
Source record: 849

While I still remember with the inputs unloaded the outputs won't go
to the rail so both transistors are half way on, thus consuming loads
of power. And creating high Pd.

To test how hot it gets you should take the inputs to - or + and leave
them there.

73
de n8zu

491. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 22:21:50 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <6df78db8-9e11-474f-9652-5401862eb5ec@15g2000vbw.googlegroups.com>
Source record: 551

On Jul 27, 7:21 am, Scott <acepilotREM...@bloomer.net> wrote:
> On 7-26-2011 20:34, JIMMIE wrote:
>
>
>
>
>
> > 30 year old piece of equipment operating pretty much flawlessly for
> > that entire period. VCC and VEE on the 1448 is +/- 15 volts and the
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> > work but modifying the circuit may not be an option. I saw where there
> > are some CMOS versions of the 1488, I was wondering if they would
> > handle the +- 15 volts better.
>
> > TIA
> > Jimmie
>
> Can you cut the circuit trace of the voltages (Vcc, Vee) feeding the IC
> and strap in a pair of diodes (in series) such as IN914 types in each
> supply line? Each diode drops about .7V, so you would end up with about
> +/- 13.5V at the IC. If you want even lower voltage at the IC, add in
> another diode or two in each supply line. Ensure proper polarity...in
> the Vcc supply lines, the diode cathodes would go toward the IC and the
> Vee diodes would have the anodes toward the IC. Just a thought. Or, if
> you know how much current the device draws through each supply (Vcc and
> Vee), you could place a single zener diode in series with the supply
> voltages to the IC and the polarities would be opposite of using 1N914
> diodes. Just find a zener of about 2.5-3V that is rated at about twice
> the current the IC draws from each supply.
>
> N0EDV- Hide quoted text -
>
> - Show quoted text -

Thanks Scott, that was my first thought but I am not allowed to
modify the board... I was hoping the CMOS version of the old chip may
work at the elevated voltage level. Im thinking the one that has

worked all these years was a cherry picked mil spec device, its PN is 751448

Jimmie

492. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-27 23:41:05 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j0q7mi$3fg$1@dont-email.me>
Source record: 552

On 07/24/2011 05:35 PM, Ralph Mowery wrote:
> "Kenneth Scharf"<wa2mze@bellsouth.net> wrote in message
> news:j0hr6j$e74$1@dont-email.me...
>> For the most part I will be using coax fed antennas.
>>
>> There is an idea I've been thinking about and I wonder if it will work.
>> There is a myth that high SWR on coax will produce a high line loss. Most
>> of the loss involved with having a high SWR is in the coupling to the
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>> least not at HF. So long as a high voltage is no present on the
>> transmission line (arc over) or a very high current (resistive loss), and
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>> high swr ratio.
>>
>
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>
> It depends on how much loss the line has and how much the swr actually is.
> If you only have a db or so of loss, then a 5:1 swr is not that much of an
> issue. If you have a line loss of 2 or 3 db or more and then have a 5:1 swr
> or higher, you can loose 3 db or more in the feedline in addition to the
> actual loss in the feedline at a matched load
>
> Below 440 there is very little loss in the dielectric, but mostly in the
> center wire of the coax and then usually the shield. As the swr goes up,
> the IR loss of the conductors goes up.
>
> As far as the coupling loss to the transmitter, most modern transceivers are
> set for a 50 ohm load and will cut the power back or not couple very well to
> the transmission line. Even most of the built in tuners are only good for
> about a 3:1 swr.
>
>

Exactly the point. RG8/U and similar 1/2" diameter coax have very low
loss over the typical 100 ft length at frequencies below 30mhz. So it
should be possible to put a balum transformer (coax choke) between the
coax and a balanced antenna (dipole), perhaps with a length of balanced
line between the balum and the antenna. In my case the run from the
shack to the roof would be around 30' or less. I can't run twin lead
(open wire) line between the shack and the roof, but I can run it from
that point to a dipole. I also don't want the tuner outside the shack.
Hard line might even be a better idea, CATV type hard line is

typically 75 ohm impedance. I'd have to have the special connectors for the stuff, and would need to have a short length of RG/8U from the hardline to the transmatch, and another from the hardline to the balum (because it would need to be flexible at those points.

493. obsolete Agilent SA - how to upgrade?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-28 00:03:04 UTC
From: Paul Probert <paulprobert@sbcglobal.net>
Message-ID: <oil6g8-7n2.ln1@giganews.com>
Source record: 553

Folks,
I got a nice Agilent E4401B spectrum analyzer for a bargain on Ebay, only problem being the tightest resolution bandwidth is 1 kHz. Now for that SA the upgrade to 10 Hz bandwidth is nothing more than typing in a secret code. Problem is Agilent won't give you the code, the scope being obsolete.
Anybody know of a third party solution, a hack, or ???
Thanks in advance --
Paul Probert W9PHP

494. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-28 00:35:40 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1107272031010.24175@darkstar.example.net>
Source record: 554

On Wed, 27 Jul 2011, JIMMIE wrote:

> On Jul 27, 7:21 am, Scott <acepilotREM...@bloomer.net> wrote:
>> On 7-26-2011 20:34, JIMMIE wrote:
>>
>>
>>
>>
>>
>>>> 30 year old piece of equipment operating pretty much flawlessly for
>>>> that entire period. VCC and VEE on the 1448 is +/- 15 volts and the
>>>> chip is overheating..... even with inputs and outputs disconnected the
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>>>> the MAX power supply voltages at +/- 15 and understand this was
>>>> probably designed on the hairy edge of failure but like I said its
>>>> been working for 30 years and replacement chips work no better, what
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>>>> the board that require the +- 15. d BTW cooling the chip makes it
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>>>> are some CMOS versions of the 1488, I was wondering if they would
>>>> handle the +- 15 volts better.
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>>>> TIA
>>>> Jimmie
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>> Can you cut the circuit trace of the voltages (Vcc, Vee) feeding the IC
>> and strap in a pair of diodes (in series) such as IN914 types in each
>> supply line? Each diode drops about .7V, so you would end up with about
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>> another diode or two in each supply line. Ensure proper polarity...in
>> the Vcc supply lines, the diode cathodes would go toward the IC and the
>> Vee diodes would have the anodes toward the IC. Just a thought. Or, if
>> you know how much current the device draws through each supply (Vcc and
>> Vee), you could place a single zener diode in series with the supply
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>> diodes. Just find a zener of about 2.5-3V that is rated at about twice
>> the current the IC draws from each supply.
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>> N0EDV- Hide quoted text -
>>
>> - Show quoted text -
>
> Thanks Scott, that was my first thought but I am not allowed to

> modify the board... I was hoping the CMOS version of the old chip may
> work at the elevated voltage level. Im thinking the one that has
> worked all these years was a cherry picked mil spec device, its PN is
> 751448
>
So?

It's a line driver, not ttl. It would start with "75" from some
manufacturers.

If it's worked all this time, then look at it from a different angle. The
IC has gone bad in such a fashion that it works at lower voltages.
Replace the IC, and likely it will go back to working. The heat issue may
be that it's bad, not because it's receiving too much voltage.

After thirty years, don't suddenly think the issue is too much voltage.

If the IC was working and doens't now, then I wouldn't trust it even at
lower voltages. But if you're fussing over supply voltage, then reveal
what else uses the +-15v lines, chances are good they aren't fussy either
(whereas the voltages to the line driver define the RS-232 levels and
someone may have deliberately chosen to go for the maximum RS-232 voltages
rather than lower voltages that may not be so obviously high and low.

Michael VE2BVW

495. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-28 10:57:11 UTC
From: Edward Feustel <efeustel@hughes.net>
Message-ID: <78f2371cjk29tv5lmsnp8o8jt9ossvpeas@4ax.com>
Source record: 555

Kenneth,

Is your shack below ground or without windows?
My shack is in the basement. I run 600 ohm open wire
from the Palstar Balanced Tuner (with balun in the input) to
feed thru insulators in a Plexiglas insert in the Window. Then
600 ohm to the doublet using string to the separators to
hold the feedline in a position away from the house.

The Palstar Tuner is similar to your description. It tunes my
210 foot doublet on most frequencies and its L equivalent
circuit is broad enough to make retuning for small frequency
changes unnecessary.

If you use your current balun on the input, an L (unbalanced) looks
like a balanced circuit on the output. Of course you must
insulate your capacitors above ground, ditto the inductor.

The ARRL Guide to Antenna Tuners has an excellent discussion
on balanced vs. unbalanced lines that you might wish to read
as well as balanced vs unbalanced tuners.

73,
Ed, N5EI

496. Re: KD8CTL GOT FAT

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-28 15:44:43 UTC
From: radio rambo <radiorambo@nomail.invalid>
Message-ID: <4e3184d2$0$9175$a8266bb1@newsreader.readnews.com>
Source record: 556
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.radio.amateur.misc

"kb9rqz" wrote in message

Does he still get kelp from mork?

497. Re: KD8CTL GOT FAT

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-28 15:48:28 UTC
From: radio rambo <radiorambo@nomail.invalid>
Message-ID: <4e3185b3$0$9254$a8266bb1@newsreader.readnews.com>
Source record: 557
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.radio.amateur.misc

"kb9rqz" wrote in message

No kelp?

498. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-28 23:31:53 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j0srhb$f67$1@dont-email.me>
Source record: 558

On 07/28/2011 06:57 AM, Edward Feustel wrote:
> Kenneth,
>
> Is your shack below ground or without windows?
> My shack is in the basement. I run 600 ohm open wire
> from the Palstar Balanced Tuner (with balun in the input) to
> feed thru insulators in a Plexiglas insert in the Window. Then
> 600 ohm to the doublet using string to the separators to
> hold the feedline in a position away from the house.
>
> The Palstar Tuner is similar to your description. It tunes my
> 210 foot doublet on most frequencies and its L equivalent
> circuit is broad enough to make retuning for small frequency
> changes unnecessary.
>
> If you use your current balun on the input, an L (unbalanced) looks
> like a balanced circuit on the output. Of course you must
> insulate your capacitors above ground, ditto the inductor.
>
> The ARRL Guide to Antenna Tuners has an excellent discussion
> on balanced vs. unbalanced lines that you might wish to read
> as well as balanced vs unbalanced tuners.
>
> 73,
> Ed, N5EI
The only window in my shack faces the front of the house. The window is
a a special hurricane resistant shatter proof glass. Also the window is
25 feet behind the location of the operating position in the shack room.
Access to the window is not possible, and the XYL won't hear about
feedline visible in the front of the house. I have a 2" plastic conduit
running from the operating position to the attic crawl space that
currently has on run of RG/8U for my vertical, with room for one or two
more runs. Running the twinlead next to the coax would probably not be
a good idea.

499. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-29 09:14:44 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <j0ttm5$mp3$1@dont-email.me>
Source record: 559

Kenneth Scharf ,WA2MZE wrote :

> The only window in my shack faces the front of the house. The window is
> a a special hurricane resistant shatter proof glass. Also the window is
> 25 feet behind the location of the operating position in the shack room.
> Access to the window is not possible, and the XYL won't hear about
> feedline visible in the front of the house. I have a 2" plastic conduit
> running from the operating position to the attic crawl space that
> currently has on run of RG/8U for my vertical, with room for one or two
> more runs. Running the twinlead next to the coax would probably not be a
> good idea.

Living in a bungalow ,hence having a ground floor shack ,I run DC cables
, 2 coax lines and twin feeder (450 Ohms ,the wide variety) all in the
same plastic duct (about 2 metres long) to the loft from where coax is
fed to an outside 2m beam and and a discone antenna (the latter used
for local 2m FM operations) and the twin feeder to a doublet (all fed
through a double cement block wall)
The 12 V DC cables run from solar charged batteries located on the loft.

With all those cables running through the same 2 metres long plastic
duct I don't experience any problems with RF operations with the twin
feeder.

BTW the plastic duct is a piece of square 65 x 65 mm gutter drain pipe
,widely used here in the UK.

Frank GM0CSZ / KN6WH

500. Re: get kelp

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-29 16:27:24 UTC
From: kb9rqz <mark@kb9rqz.com>
Message-ID: <2ef9909e-e2c8-410f-a7b5-5b277c6355a4@k27g2000yqn.googlegroups.com>
Source record: 560
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.homebrew,rec.radio.amateur.misc

On Jul 24, 6:16 pm, kb9rqz <m...@kb9rqz.com> wrote:
> On Jul 24, 2:55 pm, "radio rambo" <radiora...@

501. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-30 14:45:03 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j115dg$m54$1@dont-email.me>
Source record: 561

On 07/29/2011 05:14 AM, highlandham wrote:
> Kenneth Scharf ,WA2MZE wrote :
>
>> The only window in my shack faces the front of the house. The window is
>> a a special hurricane resistant shatter proof glass. Also the window is
>> 25 feet behind the location of the operating position in the shack room.
>> Access to the window is not possible, and the XYL won't hear about
>> feedline visible in the front of the house. I have a 2" plastic conduit
>> running from the operating position to the attic crawl space that
>> currently has on run of RG/8U for my vertical, with room for one or two
>> more runs. Running the twinlead next to the coax would probably not be a
>> good idea.
> ---
> Living in a bungalow ,hence having a ground floor shack ,I run DC cables
> , 2 coax lines and twin feeder (450 Ohms ,the wide variety) all in the
> same plastic duct (about 2 metres long) to the loft from where coax is
> fed to an outside 2m beam and and a discone antenna (the latter used for
> local 2m FM operations) and the twin feeder to a doublet (all fed
> through a double cement block wall)
> The 12 V DC cables run from solar charged batteries located on the loft.
>
> With all those cables running through the same 2 metres long plastic
> duct I don't experience any problems with RF operations with the twin
> feeder.
>
> BTW the plastic duct is a piece of square 65 x 65 mm gutter drain pipe
> ,widely used here in the UK.
>
> Frank GM0CSZ / KN6WH
The two inch plastic conduit runs from the shack up through a wall into
the ceiling and into the attic. The overall length must be about 15-20
feet. There would be another 20 feet through the attic to reach the
vent turbine and the roof. The twinlead if it ran though the pipe and
the attic would probably twist many times. It might work, but it goes
against all 'textbook' logic.

In any event, I'm thinking of building the transmatch as a 'T' network
using the two 500pf 2kv variable caps and the roller coil. I will
insulate the bottom end of the roller coil from ground to leave the
option open of running the T match with a balum on the input side, but I
intend to try the coax choke on the far end of an unbalanced feed first.

As for the T match, it seems to be the sole surviver among transmatch
circuits. Both the 'ultimate' and the 'spc' are simply alternate forms
of the 'T' match that do not have any benefits.

502. HOT 2 HOT SEXY BEST VIDEOS PHOTOS TOOOO U

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-07-31 08:05:02 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <53473d89-4e03-444c-a3b1-a53345351536@m3g2000pre.googlegroups.com>
Source record: 562

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
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http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
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http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

503. SUPER HOT VIDEOS N BULK SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-01 00:29:59 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <1f745232-0c9f-4b0a-b6ca-b78d801740c6@m5g2000prh.googlegroups.com>
Source record: 563

A TO Z INFORMATION SEE IN THIS SITE

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ALL HOT PHOTOS SUPER SeXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

504. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-01 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1312178401@panix.com>
Source record: 564
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

505. SOUTH ACTRESS HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-02 19:03:20 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <ff9a70f2-d1aa-4047-8b01-4fb2c27d725b@f17g2000prf.googlegroups.com>
Source record: 565

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KAJAL LATEST ROMANTIC STILLS
http://southactresstou.blogspot.com/2011/07/kajal-agarwal-in-naperu-shiva.html
TAMANNA HOT SEXY PHOTOS & VIDEOS
http://southactresstou.blogspot.com/2011/07/tamanna-wallpapers.html
PRANITHA LATEST BEAUTIFUL PHOTOS
http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
KAJAL AGARWAL HOT SEXY PHOTOS
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html

FOR FAST UPDATES IN TELUGU FILM INDUSTRY

PRIYAMANI SPICY PHOTOS IN COW GIRL
http://allyouwants.blogspot.com/2011/02/priyamani-spicy-photo-shoot-cow-girl.html
KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

506. HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-03 14:06:46 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <5f858bbe-2d6e-407f-b831-492476676ac2@a2g2000prf.googlegroups.com>
Source record: 566

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TAMANNA HOT SEXY PHOTOS & VIDEOS
http://southactresstou.blogspot.com/2011/07/tamanna-wallpapers.html
PRANITHA LATEST BEAUTIFUL PHOTOS
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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

507. HOT SEXY VIDEOS PHOTOS TO TEENAGERS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-04 00:37:50 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <bf3f89ba-8e98-4866-a527-04a6ed771d1f@q29g2000prj.googlegroups.com>
Source record: 567

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http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

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http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

508. ADULT HOT PICS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-04 14:01:06 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <2bbe0f07-2806-42c5-80a9-33d13d25c9dd@u6g2000prc.googlegroups.com>
Source record: 568

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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

509. SOUTH ACTRESS HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-04 17:34:20 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <70d8aa77-91d5-4299-8049-994125f1cd10@g5g2000prn.googlegroups.com>
Source record: 569

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http://southactresstou.blogspot.com/2011/07/kajal-agarwal-in-naperu-shiva.html
TAMANNA HOT SEXY PHOTOS & VIDEOS
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PRANITHA LATEST BEAUTIFUL PHOTOS
http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
KAJAL AGARWAL HOT SEXY PHOTOS
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html
KATRINA KAIF IN BEAUTIFUL RED DRESS
http://southactresstou.blogspot.com/2011/05/katrina-kaif_22.html

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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html
MAHESH BABU WORKING STILLS IN DHOOKUDU
http://princemaheshfanz.blogspot.com/2011/08/dookudu-working-stills.html
NAMRATHA IN NATIONAL BREAST FEEDING
http://princemaheshfanz.blogspot.com/2011/08/namrata-shirodkar-at-national-breast.html

510. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-04 22:14:29 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <df0ae02e-aa40-40e7-91fb-b0ac456e823a@b19g2000yqa.googlegroups.com>
Source record: 570

On Jul 27, 8:35 pm, Michael Black <et...@ncf.ca> wrote:
> On Wed, 27 Jul 2011, JIMMIE wrote:
> > On Jul 27, 7:21 am, Scott <acepilotREM...@bloomer.net> wrote:
> >> On 7-26-2011 20:34, JIMMIE wrote:
>
> >>> 30 year old piece of equipment operating pretty much flawlessly for
> >>> that entire period. VCC and VEE on the 1448 is +/- 15 volts and the
> >>> chip is overheating..... even with inputs and outputs disconnected the
> >>> chip still overheats(130 F). I noticed that the manufacturer's sets
> >>> the MAX power supply voltages at +/- 15 and understand this was
> >>> probably designed on the hairy edge of failure but like I said its
> >>> been working for 30 years and replacement chips work no better, what
> >>> gives. Power supply can not be adjusted and there are other chips on
> >>> the board that require the +- 15. d BTW cooling the chip makes it
> >>> work. operating the chip from an external +- 12V power supply makes it
> >>> work but modifying the circuit may not be an option. I saw where there
> >>> are some CMOS versions of the 1488, I was wondering if they would
> >>> handle the +- 15 volts better.
>
> >>> TIA
> >>> Jimmie
>
> >> Can you cut the circuit trace of the voltages (Vcc, Vee) feeding the IC
> >> and strap in a pair of diodes (in series) such as IN914 types in each
> >> supply line? Each diode drops about .7V, so you would end up with about
> >> +/- 13.5V at the IC. If you want even lower voltage at the IC, add in
> >> another diode or two in each supply line. Ensure proper polarity...in
> >> the Vcc supply lines, the diode cathodes would go toward the IC and the
> >> Vee diodes would have the anodes toward the IC. Just a thought. Or, if
> >> you know how much current the device draws through each supply (Vcc and
> >> Vee), you could place a single zener diode in series with the supply
> >> voltages to the IC and the polarities would be opposite of using 1N914
> >> diodes. Just find a zener of about 2.5-3V that is rated at about twice
> >> the current the IC draws from each supply.
>
> >> N0EDV- Hide quoted text -
>
> >> - Show quoted text -
>
> > Thanks Scott, that was my first thought but I am not allowed to
> > modify the board... I was hoping the CMOS version of the old chip may
> > work at the elevated voltage level. Im thinking the one that has
> > worked all these years was a cherry picked mil spec device, its PN is
> > 751448

>
> So?
>
> It's a line driver, not ttl. It would start with "75" from some
> manufacturers.
>
> If it's worked all this time, then look at it from a different angle. The
> IC has gone bad in such a fashion that it works at lower voltages.
> Replace the IC, and likely it will go back to working. The heat issue may
> be that it's bad, not because it's receiving too much voltage.
>
> After thirty years, don't suddenly think the issue is too much voltage.
>
> If the IC was working and doens't now, then I wouldn't trust it even at
> lower voltages. But if you're fussing over supply voltage, then reveal
> what else uses the +-15v lines, chances are good they aren't fussy either
> (whereas the voltages to the line driver define the RS-232 levels and
> someone may have deliberately chosen to go for the maximum RS-232 voltages
> rather than lower voltages that may not be so obviously high and low.
>
>   Michael VE2BVW- Hide quoted text -
>
> - Show quoted text -

But the new chips behave the same as the old, I got it working by
mounting a cooling fan over it.

Jimmie

511. Re: obsolete Agilent SA - how to upgrade?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-04 22:18:32 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <cf7ddd78-b8a1-43c0-afd8-68d640d4d950@y8g2000vba.googlegroups.com>
Source record: 571

On Jul 27, 8:03 pm, Paul Probert <paulprob...@sbcglobal.net> wrote:
> Folks,
> I got a nice Agilent E4401B spectrum analyzer for a bargain on Ebay,
> only problem being the tightest resolution bandwidth is 1 kHz. Now for
> that SA the upgrade to 10 Hz bandwidth is nothing more than typing in a
> secret code. Problem is Agilent won't give you the code, the scope being
> obsolete.
> Anybody know of a third party solution, a hack, or ???
> Thanks in advance --
> Paul Probert W9PHP

I came across a list of mods like this for Agilent equipment on the
internet. Dont know where I saw them but at least this will let you
know they are out their. Happy Hunting.

Jimmie

512. HOT HOT SEXY VIDEOS 150 SUPER PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-05 00:30:33 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <de8a0647-a6a1-466b-ba03-20c108a466d6@r11g2000prd.googlegroups.com>
Source record: 572

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ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

513. ADULT HOT PICS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-06 16:23:40 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <8de3d65e-1c93-41c5-95ed-1548538f8170@g39g2000pro.googlegroups.com>
Source record: 573

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TAMANNA HOT SEXY PHOTOS & VIDEOS
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http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

514. What is the difference between class AB1 and AB2 in an amplifier?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-06 20:44:29 UTC
From: Michael <google@shadowstorm.com>
Message-ID: <5a525cbb-432a-4aa4-a55c-cc0c558010f6@d7g2000vbv.googlegroups.com>
Source record: 574

In tube and transistor and tube amplifiers I am familiar with the definition of a class A, class B, and class C amplifiers. Until recently I had assumed class AB1 and AB2 must be somewhere in between class A and class B, however after reading some post in other news groups I'm beginning to suspect my understanding of class AB1 and AB2 may not be accurate or complete. So what is the accurate definition of a class AB1 and a class AB2 amplifier?

Thank you,

Michael Rawls
KS4HY

515. Re: What is the difference between class AB1 and AB2 in an amplifier?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-06 23:53:18 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j1kk5i$24v$1@dont-email.me>
Source record: 575

On 08/06/2011 04:44 PM, Michael wrote:
>
> In tube and transistor and tube amplifiers I am familiar with the
> definition of a class A, class B, and class C amplifiers. Until
> recently I had assumed class AB1 and AB2 must be somewhere in between
> class A and class B, however after reading some post in other news
> groups I'm beginning to suspect my understanding of class AB1 and AB2
> may not be accurate or complete. So what is the accurate definition of
> a class AB1 and a class AB2 amplifier?
>
> Thank you,
>
> Michael Rawls
> KS4HY
>
Technically all class "B" amplifiers are really class AB. A class B amplifier has a conduction angle of 180 degrees. A class AB amplifier has a conduction angle of between 360 degrees and 180 degrees. You can't run the amp at EXACTLY 180 degrees because tubes (and transistors) are not perfect devices and will distort (go non-linear) in the fuzzy region just before cutoff. Therefor the devices must be biased to draw some resting current to make sure that at least ONE of the two devices in a push-pull circuit are running in the linear region at all times.

With tubes (valves) the amount of bias required is a function of the Mu (gain) of the device (at least for triodes). Tetrode and beampower tubes are always biased so the device will draw enough resting current to avoid crossover distortion. Low Mu triodes are biased in the same manor as tetrodes (but will require MUCH higher bias). High Mu triodes (or triode connected tetrodes) will not draw very much current at zero bias. These tubes are run in what is called class B. Since the tubes are run at zero bias they require driving power over 180 degress of the conduction angle, which meets the definition of class B.

Most tetrodes do not have enough gain in their screen grids so that the tube can be driven to full output in class AB1. The 6L6 for example when biased at about -35 volts with 300 volts on g2 and a plate voltage of 400-500 volts will not be driven to it's maximum current of 110ma (per plate) without driving the grids positive. In fact the difference between class AB1 and AB2 for the 6L6 is ONLY the driving voltage. The g2 and bias voltages are the SAME for class AB1 and AB2, only the g-g peak signal voltage is different. The type 6146 tube has enough gain in the screen grid that the difference between AB1 and AB2 max ratings is very small, in AB1 it delivers a max of 120w RMS output (max ICAS) while it can go to about 132w in AB2. The 807 tube (same curves as the 6L6)

maxes out at 90W in AB1 and 120W in AB2 (ICAS ratings).

With solid state devices the terms AB1 and AB2 have no meaning since the device will only conduct with the control element biased in the forward direction (bipolar transistors and enhancement mode mosfets). A power JFET could, in theory operate in class AB2, but there are very few examples of power JFET's in production (ditto for depletion mode mosfets). So we only use AB with no modifier.

516. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-07 06:05:00 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1312697100@panix.com>
Source record: 576
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

517. HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-07 10:52:10 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <e2e32681-5a71-4d52-8f74-4ddaee5fc83e@g39g2000pro.googlegroups.com>
Source record: 577

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http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
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http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

518. FA: Vintage tube microphone preamplifier 1960s Audio Arts

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-07 16:53:32 UTC
From: OldGold <sharknews@aol.com>
Message-ID: <c2cf5f88-1b5e-49a0-b4e5-c5c61fe4ac1c@1g2000vbu.googlegroups.com>
Source record: 578

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=250867969176

Vintage tube Microphone / Phono preamplifier built by Audio Arts.

A boutique piece of gear from days gone by. Probably could be modded
to work with modern equipment. A great project for the enthusiast.

The unit is clean and powers up nicely.... no further testing was
performed at this time.

Follow the link for photos and full description....

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=250867969176

519. Re: 1448 TTL to rs232 driver problem

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-09 12:47:44 UTC
From: "Geert Jan de Groot"
Message-ID: <4e412c70$0$23973$e4fe514c@news.xs4all.nl>
Source record: 579

I suspect you unintentionally shorted one output. While these are
short-protected, they do run hot when this happens.

Check the output volgate on the outputs: pin 3, 6, 8, 11 (this is from heart,
pls verify). If it is either +15 or -15 you're OK, if it is
significantly different you found your root cause.
Pls also check voltages with the chip removed (socketed?).

Typical cause for this is an incorrect serial cable and/or broken serial
connecter (bent pins?), or bad internal connector (flatcable incorrect).
The art to make correct serial cross cables has been largely lost in
30 years and I suspect that's your cause.

73,

Geert Jan PE1HZG

520. HOT ACTRESS PHOTOS AND VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-09 14:16:07 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <edf6ee48-aea3-43b8-869b-ebc1a3c389f1@i8g2000pro.googlegroups.com>
Source record: 580

LATEST HOT TAPSEE KISSING STILLS
http://southactresstou.blogspot.com/2011/06/tapsee.html
KAJAL AGARWAL ROMANTIC STILLS
http://southactresstou.blogspot.com/2011/05/kajal-agarwal.html
TAMANNA BEAUTIFUL PHOTOS
http://southactresstou.blogspot.com/2011/05/tamanna.html
ANUSHKA SHETTY HOT SAREE STILLS
http://southactresstou.blogspot.com/2011/06/anushka-shetty.html
SNEHA RARE PHOTOS
http://southactresstou.blogspot.com/2011/05/sneha.html
NAMITHA HOT NAVEL SHOW
http://southactresstou.blogspot.com/2011/05/namitha.html
ILIYANA HOT WALLPAPERS
http://southactresstou.blogspot.com/2011/05/iliyana.html
PRIYAMANI LATEST SPICY PHOTOS
http://southactresstou.blogspot.com/2011/05/priyamani.html

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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

521. HOT ACTRESS PHOTOS AND VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-10 00:19:56 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <e0456c95-dbdb-4911-96fa-0b500569edc9@j9g2000prj.googlegroups.com>
Source record: 581

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http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html
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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

522. Re: What is the difference between class AB1 and AB2 in an amplifier?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-10 13:45:58 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <2c50b757-b84c-4c05-80b7-911fe5d33b4d@a10g2000yqn.googlegroups.com>
Source record: 582

Hey OT
lucky you I'm still trying to figure out class H amplifier.
73 OM
de N8ZU

On Aug 6, 4:44 pm, Michael <goo...@shadowstorm.com> wrote:
> In tube and transistor and tube amplifiers I am familiar with the
> definition of a class A, class B, and class C amplifiers. Until
> recently I had assumed class AB1 and AB2 must be somewhere in between
> class A and class B, however after reading some post in other news
> groups I'm beginning to suspect my understanding of class AB1 and AB2
> may not be accurate or complete. So what is the accurate definition of
> a class AB1 and a class AB2 amplifier?
>
> Thank you,
>
> Michael Rawls
> KS4HY

523. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-10 15:45:16 UTC
From: Tim Shoppa <shoppa@trailing-edge.com>
Message-ID: <e02557bd-ec1c-40fe-aa81-5566b5833020@e7g2000vbw.googlegroups.com>
Source record: 583

On Jul 24, 3:18 pm, Kenneth Scharf <wa2...@bellsouth.net> wrote:
> For the most part I will be using coax fed antennas.
>
> There is an idea I've been thinking about and I wonder if it will work.
> There is a myth that high SWR on coax will produce a high line loss.
> Most of the loss involved with having a high SWR is in the coupling to
> the receiver / transmitter, not so much in the transmission line itself,
> at least not at HF. So long as a high voltage is no present on the
> transmission line (arc over) or a very high current (resistive loss),
> and the dielectric material does not introduce loss at the frequency
> involved common 1/2" dia coax should work fine as an unbalanced feed
> line even at a high swr ratio.

Coax loss at high SWR is a myth? It's been tabulated in every handbook
for the past century.

> Common Ferrite core balums do not usually work well at impedances above
> 50/75 ohms input. Using them to convert an unbalanced transmatch to a
> balanced one AT THE OUTPUT is usually not a good idea.

Often it's the choice made, though.

Baluns that deal with less than optimal impedances are available but
they are no magic bullet. Substantial engineering effort and material
must go into them to deal with the stresses at operating away from
their natural sweet spot (as you point out 50 ohm ballpark.)

> (Insulate the
> transmatch from ground and put the balum at the input works better).
> A "choke" balum made by winding 10 turns or so of coax in a loop about a
> foot or so in diameter has lower loss than a ferrite core balum, no core
> heating.
>
> So my idea was to run a length of coax from the shack through the attic
> crawl space and up to the roof (though a vent turbine). On the roof
> would be a coax choke balum connected to 450 ohm twinlead "open wire"
> line. This would connect to a "multiband" dipole. There is no way I
> can run the open wire line from the shack up to the roof, this stuff
> must be run 'in the clear' anyway. Coax being an unbalanced line is not
> affected by it's surroundings.

The coax to 450 ohm twinlead via choke "balun"... wow, it sounds like
you are getting the worst of all possible worlds here. I agree that
transformer-type baluns are stressed at high impedances but
purposefully putting a 9:1 mismatch on the end of your coax is just
asking for a world of hurt with anything except the most shortest coax

runs (a few feet.)

You might want to back up a few steps and consider if you can locate a coax-to-twinlead tuner, almost certainly not broadband, on the wall or roof of the shack or house. That way you have a nice controlled 50 ohm coax run inside, and it's all twinlead outside. If the shack is far from the tuner, today there are remotely operated tuners just for this purpose. In the most traditional set ups mechanical remote operation (chains, pulleys, etc.) was sometimes used (look in any 30's/40's/50's handbook.) (When I was a kid my uncle who was a ham, used a scheme involving bicycle cranks and extra long chains for rotating his beam!)

Len Cebik's webpages are an excellent resource on ladder line, all band doublets, and link-coupled tuners. I can't emphasize enough how excellently this can work out. Don't paint yourself into a corner.

Tim N3QE

524. Need shop to repair taut band meter movement

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-12 13:27:44 UTC
From: Jim <nospam@nospam.com>
Message-ID: <qfaa47pg3jodgtihcboehkfgbth4h4m4mv@4ax.com>
Source record: 584

Would anyone know of a reliable repair shop that can
repair a taut band 50 microamp meter movement that has
a broken band?

Thanks,

Jim, WA5DXP

525. HOT VIDEOS 2 HOT PEOPLE AND ACTRESSES NEVER SEEN PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-16 00:29:26 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <cc01713a-78fc-4e9b-a70f-f90a845d8905@t7g2000vbv.googlegroups.com>
Source record: 585

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http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

526. Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-17 00:44:00 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j2f2sgudp1@dont-email.me>
Source record: 586

Check out their website. Heath is going back into the kit business.

HEATHKIT IS BACK In The Kit Business!

In late August, Heathkit will debut their new line of Do-it-Yourself kits for common around-the-house items. The first kit will be a Garage Parking Assistant (GPA). The Garage Parking assistant kit lets you build your own system that uses ultrasonic sound waves to locate your car as it enters the garage. The system signals to the driver using LED lights mounted on the wall when the car is detected and in the perfect spot for parking.

The GPA-100 kit consists of two primary assemblies - The LED Display in kit form and the pre-assembled ultrasonic range module. the kit will include everything you need to complete the project except a soldering iron and hand tools.

Next on the market will be a Wireless Swimming Pool Monitor kit followed by many more. Heathkit wants to continue to bring to its customers interesting, unique Heathkit products. Heathkit is interested in learning what types of products kit builders would like to build. Kit builders can submit their suggestions through this website using the Contact Us email.

http://www.heathkit.com/

527. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-18 00:04:07 UTC
From: noone <KC9BZC@arrl.org>
Message-ID: <j2hkt0aqf1@speranza.aioe.org>
Source record: 587

Kenneth Scharf wrote:

> Check out their website. Heath is going back into the kit business.
>
> HEATHKIT IS BACK In The Kit Business!
>
> In late August, Heathkit will debut their new line of Do-it-Yourself
> kits for common around-the-house items. The first kit will be a
Garage
> Parking Assistant (GPA). The Garage Parking assistant kit lets you
> build your own system that uses ultrasonic sound waves to locate
your
> car as it enters the garage. The system signals to the driver using
LED
> lights mounted on the wall when the car is detected and in the
perfect
> spot for parking.
>
> The GPA-100 kit consists of two primary assemblies - The LED Display
in
> kit form and the pre-assembled ultrasonic range module. the kit
will
> include everything you need to complete the project except a
soldering
> iron and hand tools.
>
> Next on the market will be a Wireless Swimming Pool Monitor kit
followed
> by many more. Heathkit wants to continue to bring to its customers
> interesting, unique Heathkit products. Heathkit is interested in
> learning what types of products kit builders would like to build.
Kit
> builders can submit their suggestions through this website using the
> Contact Us email.
>
>
> http://www.heathkit.com/
i hope they come back with a ham radio! but don't think so.

528. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-18 02:15:08 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j2hsjiic1@dont-email.me>
Source record: 588

```
On 17/08/2011 10:44 AM, Kenneth Scharf wrote:
> Check out their website. Heath is going back into the kit business.
>
> HEATHKIT IS BACK In The Kit Business!
>
Pointless without a radio or two being simple and affordable

--
X-No-Archive: Yes
```

529. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-18 11:09:39 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <EcOdnUCrNb1ub9HTnZ2dnUVZ_rudnZ2d@bright.net>
Source record: 589

On 8-18-2011 02:15, atec77 wrote:
> On 17/08/2011 10:44 AM, Kenneth Scharf wrote:
>> Check out their website. Heath is going back into the kit business.
>>
>> HEATHKIT IS BACK In The Kit Business!
>>
> Pointless without a radio or two being simple and affordable
>
And...I'm not so sure they will be the "kits" of the old days with a bag of resistors and some capacitors. Looks like they will basically be PC board modules that one simply puts into case??? Can't tell for sure, though...

530. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-18 11:20:28 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j2isi3$4lq$1@dont-email.me>
Source record: 590

```
On 18/08/2011 9:09 PM, Scott wrote:
> On 8-18-2011 02:15, atec77 wrote:
>> On 17/08/2011 10:44 AM, Kenneth Scharf wrote:
>>> Check out their website. Heath is going back into the kit business.
>>>
>>> HEATHKIT IS BACK In The Kit Business!
>>>
>> Pointless without a radio or two being simple and affordable
>>
> And...I'm not so sure they will be the "kits" of the old days with a bag
> of resistors and some capacitors. Looks like they will basically be PC
> board modules that one simply puts into case??? Can't tell for sure,
> though...
>
>
Of course it will be in some cases , another branded K3 style would be good

--
X-No-Archive: Yes
```

531. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-18 20:31:04 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j2jtba$ei9$1@dont-email.me>
Source record: 591

On 19/08/2011 1:56 AM, Edmund H. Ramm wrote:
> In<j2hsjiic1@dont-email.me> atec77<atec77@hotmail.com> writes:
>
>> On 17/08/2011 10:44 AM, Kenneth Scharf wrote:
>>> Check out their website. Heath is going back into the kit business.
>>>
>>> HEATHKIT IS BACK In The Kit Business!
>>>
>> Pointless without a radio or two being simple and affordable
> ^^^^^^^^^^
>
> That El Cheapo attitude is what not only killed the Heathkit
> amateur radio branch, but most of the U.S. American amateur radio
> industry, too.
>
> If Heathkit were to bring out an amateur radio kit, I'd buy it,
> no matter what the price tag.
>
> 73, Eddi ._._.
A fail to provide value is what killed a lot of electronics business ,
it happened here as well and an insistence on recycling old tech
solutions when the opposition was leaping generations ahead in quality
and miniaturisation
I said affordable and a lot of people think building their own radios as
exampled a k3 or k3 (as do I), if Heathkit were to produce a kit of
similar value and quality it would sell and sell well , same as that
solid state 3 to 55 mhz gallon amp kit for a less than two grand with
fill filtering .
but how large is the if ?

--
X-No-Archive: Yes

532. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-19 11:32:11 UTC
From: david <none@nospam.com>
Message-ID: <j2lhjr$1o9$1@dont-email.me>
Source record: 592

On Tue, 16 Aug 2011 20:44:00 -0400, Kenneth Scharf rearranged some
electrons to say:

> Check out their website. Heath is going back into the kit business.
>
> HEATHKIT IS BACK In The Kit Business!
>
> In late August, Heathkit will debut their new line of Do-it-Yourself
> kits for common around-the-house items. The first kit will be a Garage
> Parking Assistant (GPA). The Garage Parking assistant kit lets you
> build your own system that uses ultrasonic sound waves to locate your
> car as it enters the garage. The system signals to the driver using LED
> lights mounted on the wall when the car is detected and in the perfect
> spot for parking.
>
> The GPA-100 kit consists of two primary assemblies - The LED Display in
> kit form and the pre-assembled ultrasonic range module. the kit will
> include everything you need to complete the project except a soldering
> iron and hand tools.
>
> Next on the market will be a Wireless Swimming Pool Monitor kit followed
> by many more. Heathkit wants to continue to bring to its customers
> interesting, unique Heathkit products. Heathkit is interested in
> learning what types of products kit builders would like to build. Kit
> builders can submit their suggestions through this website using the
> Contact Us email.
>
>
> http://www.heathkit.com/

I would not hold my breath if I were you. This is not the same Heathkit
that we all remember. Their primary business is selling training
materials.

533. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-19 15:23:38 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1108191120340.29527@darkstar.example.net>
Source record: 593

On Fri, 19 Aug 2011, david wrote:

> On Tue, 16 Aug 2011 20:44:00 -0400, Kenneth Scharf rearranged some
> electrons to say:
>
>> Check out their website. Heath is going back into the kit business.
>>
>> HEATHKIT IS BACK In The Kit Business!
>>
>> In late August, Heathkit will debut their new line of Do-it-Yourself
>> kits for common around-the-house items. The first kit will be a Garage
>> Parking Assistant (GPA). The Garage Parking assistant kit lets you
>> build your own system that uses ultrasonic sound waves to locate your
>> car as it enters the garage. The system signals to the driver using LED
>> lights mounted on the wall when the car is detected and in the perfect
>> spot for parking.
>>
>> The GPA-100 kit consists of two primary assemblies - The LED Display in
>> kit form and the pre-assembled ultrasonic range module. the kit will
>> include everything you need to complete the project except a soldering
>> iron and hand tools.
>>
>> Next on the market will be a Wireless Swimming Pool Monitor kit followed
>> by many more. Heathkit wants to continue to bring to its customers
>> interesting, unique Heathkit products. Heathkit is interested in
>> learning what types of products kit builders would like to build. Kit
>> builders can submit their suggestions through this website using the
>> Contact Us email.
>>
>>
>> http://www.heathkit.com/
>
> I would not hold my breath if I were you. This is not the same Heathkit
> that we all remember. Their primary business is selling training
> materials.
>
Yes. I was trying to remember if what is now "Heath" was a subset of what
existed after a retrench, or if the old company shut down and sold the
name and whatever was of value to some other company. I can't remember
which. I remember when the kits stopped, the story was "No more kits" in
large print, then "but training material continues" in very fine print,
but I can't remember the complete story.

There was some fuss a year or two ago when someobdy bought the rights to
the old manuals and started charging for them. That the company sold off

those rights suggests it is a distinctively separate company now, but I can't remember.

Michael VE2BVW

534. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-20 19:58:42 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j2p3lknnb1@dont-email.me>
Source record: 594

On 08/19/2011 07:32 AM, david wrote:
> On Tue, 16 Aug 2011 20:44:00 -0400, Kenneth Scharf rearranged some
> electrons to say:
>
>> Check out their website. Heath is going back into the kit business.
>>
>> HEATHKIT IS BACK In The Kit Business!
>>
>> In late August, Heathkit will debut their new line of Do-it-Yourself
>> kits for common around-the-house items. The first kit will be a Garage
>> Parking Assistant (GPA). The Garage Parking assistant kit lets you
>> build your own system that uses ultrasonic sound waves to locate your
>> car as it enters the garage. The system signals to the driver using LED
>> lights mounted on the wall when the car is detected and in the perfect
>> spot for parking.
>>
>> The GPA-100 kit consists of two primary assemblies - The LED Display in
>> kit form and the pre-assembled ultrasonic range module. the kit will
>> include everything you need to complete the project except a soldering
>> iron and hand tools.
>>
>> Next on the market will be a Wireless Swimming Pool Monitor kit followed
>> by many more. Heathkit wants to continue to bring to its customers
>> interesting, unique Heathkit products. Heathkit is interested in
>> learning what types of products kit builders would like to build. Kit
>> builders can submit their suggestions through this website using the
>> Contact Us email.
>>
>>
>> http://www.heathkit.com/
>
> I would not hold my breath if I were you. This is not the same Heathkit
> that we all remember. Their primary business is selling training
> materials.
I'm crossing my fingers but I don't expect anything big from Heath, at least not for a while. They are just testing the water now and if the response is good they will add to the line. Might be a few years before they go 'all in' on the kit business.

I've never ordered any of their educational products, but I've been told that the manuals are up to par with the best of the materials they produced in the kit business.

It wasn't only a shift in consumer attitude toward DIY that killed off the old Heath. Electronics has become more high tech with tiny parts

that defy kit builders. The pendulum has swung back though, and DIY is in vogue again. Witness MAKE magazine, Adafruit.com, sparkfun.com, evilmadscientist.com etc. The 'maker movement is the new DIY. This will involve different kinds of kits, such as building your own CNC mill, laser cutter or 3D printer. (google the web, such projects are common). If heath can offer products into this area they will scratch an itch and do well.

535. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-21 00:11:09 UTC
From: BigRedTruck <pberry2@cfl.rr.com>
Message-ID: <4e504d1d$0$30083$9a6e19ea@unlimited.newshosting.com>
Source record: 595

On 08/16/2011 08:44 PM, Kenneth Scharf wrote:
> Check out their website. Heath is going back into the kit business.
>
> HEATHKIT IS BACK In The Kit Business!
>
> In late August, Heathkit will debut their new line of Do-it-Yourself
> kits for common around-the-house items. The first kit will be a Garage
> Parking Assistant (GPA). The Garage Parking assistant kit lets you build
> your own system that uses ultrasonic sound waves to locate your car as
> it enters the garage. The system signals to the driver using LED lights
> mounted on the wall when the car is detected and in the perfect spot for
> parking.
>
> The GPA-100 kit consists of two primary assemblies - The LED Display in
> kit form and the pre-assembled ultrasonic range module. the kit will
> include everything you need to complete the project except a soldering
> iron and hand tools.
>
> Next on the market will be a Wireless Swimming Pool Monitor kit followed
> by many more. Heathkit wants to continue to bring to its customers
> interesting, unique Heathkit products. Heathkit is interested in
> learning what types of products kit builders would like to build. Kit
> builders can submit their suggestions through this website using the
> Contact Us email.
>
>
> http://www.heathkit.com/

Thanks!

There ARE still about 750,000 US HAMs who build from scratch, or kits,
when we can find them!

That is a large enough market, but, when added to the "Make Use Of"
crowd, and the "Instructable" folks, the computer "modders", X10, and
Arduino fans, and we can see a market of at least 1.5 million potential
kit builders!

I know that in building the inexpensive kits from India, that usually
don't contain the cases, knobs, transformers, (no problem!), there are a
lot of us hungering for more projects, that are more complete!

536. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-21 04:12:27 UTC
From: Fritz Wuehler <fritz@spamexpire-201108.rodent.frell.theremailer.net>
Message-ID: <d1a5596270d3e0f2850354baa4c99486@msgid.frell.theremailer.net>
Source record: 596

> > http://www.heathkit.com/

The kits mentioned aren't going to be of interest to anyone.

For some good ideas of what would be of interest, just check old HeathKit catalogs. Times may have changed, but we haven't. We like amateur radio kits, stereo kits, clock kits, computer kits. Only a bit of updating is necessary to sell all you can make.

537. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-21 13:38:29 UTC
From: philo <philo@privacy.not>
Message-ID: <rT74q.20049$iK1.12843@newsfe05.iad>
Source record: 597

On 08/20/2011 11:12 PM, Fritz Wuehler wrote:
>>> http://www.heathkit.com/
>
> The kits mentioned aren't going to be of interest to anyone.
>
> For some good ideas of what would be of interest, just check old HeathKit
> catalogs. Times may have changed, but we haven't. We like amateur radio
> kits, stereo kits, clock kits, computer kits. Only a bit of updating is
> necessary to sell all you can make.
>

Ah yes
the good old days.

Though I built a few Knightkits in my time
I never built any Heathkits but I did once own
a Heathkit Cheyenne transmitter.

At one time I used the external power supply
as a battery charger for my '53 Chevy truck.
(bought it in 1971)

I just took the heavy duty 6v filament winding
and ran it to a bridge rectifier.

The truck usually did start on cold days...
but quite often I'd park it on the top of a hill
and "pop the clutch" to get it started.

The hill was long enough to give me three chances
and only once did that method not work :)

Times have changed...
and Heathkit will never be what it was back in the old days...
nothing will be like it once was back then

538. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-22 09:47:54 UTC
From: david <none@nospam.com>
Message-ID: <j2t8kaiek1@dont-email.me>
Source record: 598

On Sat, 20 Aug 2011 20:11:09 -0400, BigRedTruck rearranged some electrons
to say:

> On 08/16/2011 08:44 PM, Kenneth Scharf wrote:
>> Check out their website. Heath is going back into the kit business.
>>
>> HEATHKIT IS BACK In The Kit Business!
>>
>> In late August, Heathkit will debut their new line of Do-it-Yourself
>> kits for common around-the-house items. The first kit will be a Garage
>> Parking Assistant (GPA). The Garage Parking assistant kit lets you
>> build your own system that uses ultrasonic sound waves to locate your
>> car as it enters the garage. The system signals to the driver using LED
>> lights mounted on the wall when the car is detected and in the perfect
>> spot for parking.
>>
>> The GPA-100 kit consists of two primary assemblies - The LED Display in
>> kit form and the pre-assembled ultrasonic range module. the kit will
>> include everything you need to complete the project except a soldering
>> iron and hand tools.
>>
>> Next on the market will be a Wireless Swimming Pool Monitor kit
>> followed by many more. Heathkit wants to continue to bring to its
>> customers interesting, unique Heathkit products. Heathkit is interested
>> in learning what types of products kit builders would like to build.
>> Kit builders can submit their suggestions through this website using
>> the Contact Us email.
>>
>>
>> http://www.heathkit.com/
>
> Thanks!
>
> There ARE still about 750,000 US HAMs who build from scratch, or kits,
> when we can find them!
>
> That is a large enough market, but, when added to the "Make Use Of"
> crowd, and the "Instructable" folks, the computer "modders", X10, and
> Arduino fans, and we can see a market of at least 1.5 million potential
> kit builders!
>
> I know that in building the inexpensive kits from India, that usually
> don't contain the cases, knobs, transformers, (no problem!), there are a
> lot of us hungering for more projects, that are more complete!

www.elecraft.com

No I don't work for them but I have given them my credit card number several times. My primary HF rig is a K2/100.

539. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-22 22:53:30 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <j2umla$4dt$1@dont-email.me>
Source record: 599

On 20/08/11 20:58, Kenneth Scharf wrote:
> On 08/19/2011 07:32 AM, david wrote:
>> On Tue, 16 Aug 2011 20:44:00 -0400, Kenneth Scharf rearranged some
>> electrons to say:
>>
>>> Check out their website. Heath is going back into the kit business.
>>>
>>> HEATHKIT IS BACK In The Kit Business!
>>>
>>> In late August, Heathkit will debut their new line of Do-it-Yourself
>>> kits for common around-the-house items. The first kit will be a Garage
>>> Parking Assistant (GPA). The Garage Parking assistant kit lets you
>>> build your own system that uses ultrasonic sound waves to locate your
>>> car as it enters the garage. The system signals to the driver using LED
>>> lights mounted on the wall when the car is detected and in the perfect
>>> spot for parking.
>>>
>>> The GPA-100 kit consists of two primary assemblies - The LED Display in
>>> kit form and the pre-assembled ultrasonic range module. the kit will
>>> include everything you need to complete the project except a soldering
>>> iron and hand tools.
>>>
>>> Next on the market will be a Wireless Swimming Pool Monitor kit followed
>>> by many more. Heathkit wants to continue to bring to its customers
>>> interesting, unique Heathkit products. Heathkit is interested in
>>> learning what types of products kit builders would like to build. Kit
>>> builders can submit their suggestions through this website using the
>>> Contact Us email.
>>>
>>>
>>> http://www.heathkit.com/
>>
>> I would not hold my breath if I were you. This is not the same Heathkit
>> that we all remember. Their primary business is selling training
>> materials.
> I'm crossing my fingers but I don't expect anything big from Heath, at
> least not for a while. They are just testing the water now and if the
> response is good they will add to the line. Might be a few years before
> they go 'all in' on the kit business.
>
> I've never ordered any of their educational products, but I've been told
> that the manuals are up to par with the best of the materials they
> produced in the kit business.
>

> It wasn't only a shift in consumer attitude toward DIY that killed off
> the old Heath. Electronics has become more high tech with tiny parts
> that defy kit builders. The pendulum has swung back though, and DIY is
> in vogue again. Witness MAKE magazine, Adafruit.com, sparkfun.com,
> evilmadscientist.com etc. The 'maker movement is the new DIY. This will
> involve different kinds of kits, such as building your own CNC mill,
> laser cutter or 3D printer. (google the web, such projects are common).
> If heath can offer products into this area they will scratch an itch and
> do well.
==========
I still regularly use a Heathkit ET-3300 Laboratory Breadbord as well as
an Ultrasonic Cleaner I both kit-built in 1975.

Frank GM0CSZ / KN6WH

540. XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-23 16:40:09 UTC
From: looking1513 <pmlohr@gmail.com>
Message-ID: <0af38413-0cca-4c82-8ec4-b782b82f6149@t7g2000vbv.googlegroups.com>
Source record: 600

What is all this junk XXX stuff on this site. If this is a amateur
radio homebrew site why have all this TRASH on it?
How about blocking this stuff and cleaning up the site so we don't
have to plow through trash to get to the good info!

73's pml

541. Re: XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-23 16:46:15 UTC
From: Rob <nomail@example.com>
Message-ID: <slrnj57man.23v.nomail@xs8.xs4all.nl>
Source record: 651

looking1513 <pmlohr@gmail.com> wrote:
> What is all this junk XXX stuff on this site. If this is a amateur
> radio homebrew site why have all this TRASH on it?
> How about blocking this stuff and cleaning up the site so we don't
> have to plow through trash to get to the good info!

The problem is that this is not "a site". This is Usenet.
Usenet is a distributed service that is hosted on many different
servers on the Internet, all under different control.
So there is no "blocking this stuff and cleaning up", at least not
on the servers. Any blocking you will have to do yourself on your
own system.

542. Re: XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-23 21:29:54 UTC
From: Allodoxaphobia <knock_yourself_out@example.net>
Message-ID: <slrnj586vi.225f.knock_yourself_out@shell.config.com>
Source record: 652

```
On 23 Aug 2011 16:46:15 GMT, Rob wrote:
> looking1513 <pmlohr@gmail.com> wrote:
>> What is all this junk XXX stuff on this site. If this is a amateur
>> radio homebrew site why have all this TRASH on it?
>> How about blocking this stuff and cleaning up the site so we don't
>> have to plow through trash to get to the good info!
>
> The problem is that this is not "a site". This is Usenet.
> Usenet is a distributed service that is hosted on many different
> servers on the Internet, all under different control.
> So there is no "blocking this stuff and cleaning up", at least not
> on the servers. Any blocking you will have to do yourself on your
> own system.

Ha!!! Since his "own system" is Google Groups, good luck with that!

Jonesy -- who never sees any XXX, or GG postings.
```

543. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-23 23:23:14 UTC
From: Bill M <radioexray@geeeemail.com>
Message-ID: <j31cq202cbr@news7.newsguy.com>
Source record: 653

BigRedTruck wrote:
> There ARE still about 750,000 US HAMs who build from scratch, or kits,
> when we can find them!

No, there are about 200 out of 750,000 that know the right end of a
soldering gun or pencil.

I wish it were otherwise...

-Bill

544. Re: XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-23 23:27:29 UTC
From: Bill M <radioexray@geeeemail.com>
Message-ID: <j31d1d12cbr@news7.newsguy.com>
Source record: 654

Allodoxaphobia wrote:

>
> Ha!!! Since his "own system" is Google Groups, good luck with that!
>
> Jonesy -- who never sees any XXX, or GG postings.

Yep, if he's using Google then his problems are self-inflicted. I use
NEWSGUY and rarely does that crap get thru.

-B.

545. Re: XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-23 23:58:14 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <j31eqnkvt1@dont-email.me>
Source record: 655

```
On 23/08/11 22:29, Allodoxaphobia wrote:
> On 23 Aug 2011 16:46:15 GMT, Rob wrote:
>> looking1513<pmlohr@gmail.com> wrote:
>>> What is all this junk XXX stuff on this site. If this is a amateur
>>> radio homebrew site why have all this TRASH on it?
>>> How about blocking this stuff and cleaning up the site so we don't
>>> have to plow through trash to get to the good info!
>>
>> The problem is that this is not "a site". This is Usenet.
>> Usenet is a distributed service that is hosted on many different
>> servers on the Internet, all under different control.
>> So there is no "blocking this stuff and cleaning up", at least not
>> on the servers. Any blocking you will have to do yourself on your
>> own system.
>
> Ha!!! Since his "own system" is Google Groups, good luck with that!
>
> Jonesy -- who never sees any XXX, or GG postings.
================================================
Nor do I using the 'news.eternal-september.org' server .

Frank GM0CSZ / KN6WH
```

546. Re: Heathkit is BACK!

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-24 05:11:56 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j32175$9kd$2@dont-email.me>
Source record: 656

On 24/08/2011 9:23 AM, Bill M wrote:
> BigRedTruck wrote:
>> There ARE still about 750,000 US HAMs who build from scratch, or kits,
>> when we can find them!
>
> No, there are about 200 out of 750,000 that know the right end of a
> soldering gun or pencil.
>
> I wish it were otherwise...
>
> -Bill
Perhaps if you prefaced that comment by adding imho

patently you have an opinion which is dramatically flawed not that you
realise or acknowledge it

--
X-No-Archive: Yes

547. Re: XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-24 21:17:47 UTC
From: Stuart Longland VK4MSL <me@vk4msl.yi.org>
Message-ID: <6163a110-36cc-48ce-ab99-e66721cb3dc0@14g2000prv.googlegroups.com>
Source record: 657

On Aug 24, 9:27 am, Bill M <radioex...@geeeemail.com> wrote:
> Allodoxaphobia wrote:
>
> > Ha!!! Since his "own system" is Google Groups, good luck with that!
>
> > Jonesy -- who never sees any XXX, or GG postings.
>
> Yep, if he's using Google then his problems are self-inflicted.

Some of us have no choice.

548. Re: XXX messages

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-24 22:26:58 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <j33trj$8kt$1@dont-email.me>
Source record: 658

```
On 24/08/11 22:17, Stuart Longland VK4MSL wrote:
> On Aug 24, 9:27 am, Bill M<radioex...@geeeemail.com> wrote:
>> Allodoxaphobia wrote:
>>
>>> Ha!!! Since his "own system" is Google Groups, good luck with that!
>>
>>> Jonesy -- who never sees any XXX, or GG postings.
>>
>> Yep, if he's using Google then his problems are self-inflicted.
>
> Some of us have no choice.
=====================================
Those 'some of us ' could try the free news.eternal-september.org
server (unless they insist being able to download binaries)

Frank GM0CSZ / KN6WH
```

549. souce of HF toroid cores in Australasia.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-25 11:03:33 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F4CEA9258D21crite40@216.196.97.131>
Source record: 659

Good Day all!
My "new" (it began building in 1985) receiver is very nearly finished and ready for use.
It was long delayed by family events and a multitude of synthesiser problems, but now we have DDS synthesisers this is no longer an issue.
Just a few AGC attack problems to iron out and some tuned circuits at the front end to arrange.
I have some very nice 12.5mm toroids (violet) which work Very well from 1 to 20 MHz but take a severe dive in performance above there.
What I need is a source of toroids of the same size but with a frequency range with high Q from say 15 to 60 Mhz. These are for the bandpass tuned rf filter and the 1st IF @ 45 MHz.
Anyone got any ideas where I might obtain a few out here in NZ.
None of the local suppliers have anything like this and they are also generally very ignorant of the proper use of toroids especially at HF.
Any suggestions very gratefully received.
Regards Clifford Wright ZL1BDA ex G3NIA

550. Re: souce of HF toroid cores in Australasia.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-25 12:12:16 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j35e79ulh2@dont-email.me>
Source record: 660

On 25/08/2011 9:03 PM, clifford wright wrote:
> Good Day all!
> My "new" (it began building in 1985) receiver is very nearly finished and
> ready for use.
> It was long delayed by family events and a multitude of synthesiser
> problems, but now we have DDS synthesisers this is no longer an issue.
> Just a few AGC attack problems to iron out and some tuned circuits at the
> front end to arrange.
> I have some very nice 12.5mm toroids (violet) which work Very well from 1
> to 20 MHz but take a severe dive in performance above there.
> What I need is a source of toroids of the same size but with a frequency
> range with high Q from say 15 to 60 Mhz. These are for the bandpass tuned
> rf filter and the 1st IF @ 45 MHz.
> Anyone got any ideas where I might obtain a few out here in NZ.
> None of the local suppliers have anything like this and they are also
> generally very ignorant of the proper use of toroids especially at HF.
> Any suggestions very gratefully received.
> Regards Clifford Wright ZL1BDA ex G3NIA
I would email amidon directly

--
X-No-Archive: Yes

551. Re: souce of HF toroid cores in Australasia.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-25 12:28:38 UTC
From: Clifford Heath <foo@bar.com>
Message-ID: <Wdr5q.31138$Vn5.28498@newsfe18.iad>
Source record: 661

On 25/08/2011 9:03 PM, clifford wright wrote:
> I have some very nice 12.5mm toroids (violet) which work Very well from
> 1 to 20 MHz but take a severe dive in performance above there. What I
> need is a source of toroids of the same size but with a frequency range
> with high Q from say 15 to 60 Mhz. These are for the bandpass tuned rf
> filter and the 1st IF @ 45 MHz.
> Anyone got any ideas where I might obtain a few out here in NZ. None of
> the local suppliers have anything like this and they are also generally
> very ignorant of the proper use of toroids especially at HF. Any
> suggestions very gratefully received.

I got a few HF/VHF toroids recently from <http://rockby.com.au>.

Just make sure you verify that the mix you select is correct for the purpose (resonant, not transformer) you need, and has the permeability you want. There's a lot of confusing information on the net about what different mixes are good for, and I'm only just starting to get my head around it.

Rockby stock # 25651 is smaller than you want, but mix 12, mu=3, which should be good in resonant circuits from 20-200MHz, if I have my facts straight. I also have some stock #25298, mu=40 and mix 63, which should be ok in resonant circuits from 10-80MHz, and in transformers to 800MHz.

If anyone can verify or discredit the above suitabilities, I'd like to know before I spend too much time playing with circuits around these (I haven't found time yet, still trying to figure out how to make decent PCBs, necessary to get a ground plane at 2m).

Clifford Heath.

552. HOT ONLY HOT SEX VIDEOS 135 SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-27 01:06:03 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <c4b0adb2-af1f-4a63-b014-2a78fd9830d4@h23g2000pra.googlegroups.com>
Source record: 662

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

553. NEW UPDATES

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-27 07:13:29 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <7179d890-efdf-4dcf-a2b8-f98496d31c9b@r8g2000prd.googlegroups.com>
Source record: 663

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com

PRIYANKA CHOPRA HOT STILLS
http://allyouwants.blogspot.com/2011/08/priyanka-chopra.html
FOR HOT PHOTO&VIDEOS
HOT SOUTH ACTRESS IN DIFFERENT DRESSES
http://southactresstou.blogspot.com/2011/08/south-actress.html
SAMEERA REDDY HOT PICS
http://hotactress-kalyani.blogspot.com/2011/08/sameera-reddy.html
HOT ACTRESS WET ROMANTIC PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/actress-hot-wet-photos.html
TRISHA HOT BATHROOM PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/trisha-hot.html
ANUSHKA SHETTY HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/anushka-hot.html
KATRINA KAIF RARE PHOTOS
http://southactresstou.blogspot.com/2011/07/katrina-kaif-wallpapers.html
KAJAL LATEST ROMANTIC STILLS
http://southactresstou.blogspot.com/2011/07/kajal-agarwal-in-naperu-shiva.html
TAMANNA HOT SEXY PHOTOS & VIDEOS
http://southactresstou.blogspot.com/2011/07/tamanna-wallpapers.html
PRANITHA LATEST BEAUTIFUL PHOTOS
http://southactresstou.blogspot.com/2011/06/about-pranitha-praneetha-is-beautiful.html

FOR ONLY HOT GUYS SEE THIS
TOP 20 HOT ACTRESS PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/hot-actrsess.html
KAJAL AGARWAL LATEST HOT
http://hotactress-kalyani.blogspot.com/2011/08/kajal-agarwal-hot-photos.html
LATEST AMISHA PATEL HOT PICS
http://hotactress-kalyani.blogspot.com/2011/08/amisha-patel-hot.html
TAPSEE DIFFERENT STILLS
http://hotactress-kalyani.blogspot.com/2011/08/tapsee-hot.html
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/priyamani-hot.html
ARTHI CHABRIA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/aarti-chabria-hot.html
DIYA MIRZA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/diya-mirza-hot.html
KATRINA KAIF HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/katrina-kaif-hot.html
DEEPIKA PADUKONE HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/deepika-padukone-hot.html
NAMITHA HOT PHOTOS

http://hotactress-kalyani.blogspot.com/2011/08/namitha-hot-photos.html

554. Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-29 12:00:15 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F51A9D2E3crite40@216.196.97.131>
Source record: 664

Good day all!
My latest build is a version of the VK5BR noise cancellor.
So far (using different toroid cores from those specified) I have got about
3 "S" points of noise reduction.
I am expecting a shipment of cores from Amidon in the next few days and
will try the final version with 2 FT50-75 cores as specifid in the later
"Amateur Radio" article.
Basically though I am quite pleased with it. It means more adjustments, but
in a rural location, but with bad power line noise, it seems to help.
FYI, Don't go by the "radio communication" circuit.
It has several errors. Look up VK5BR's own site with all the corrections.
It would be very intersting to hear of others experience with this gadget.
Anyone else made one?
Cliff Wright ZL1BDA ex G3NIA

555. Re: low intermod RF amplifiers for HF.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-08-29 12:07:52 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F51155ABF7Fcrite40@216.196.97.131>
Source record: 665

KBa <kba@nic.fi> wrote in news:3iFXp.62944$mX5.20181@uutiset.elisa.fi:

> On 4.7.2011 7:31, clifford wright wrote:
>> Good day!
>> Can anyone point me towards a good design for a good RF stage for my
>> home brew HF receiver. I have no less than 6 others hams in my small
>> town and one within 400 metres, so I need good strong signal
>> performance. 10 to 15 dB gain would be ample, but I would like to
>> have 50 Ohm input and output impeadances.
>> The receiver is an upconverter to 45MHz with a 15 kHz bandwidth xtal
>> filter followed by a downconverting mixer to either 9MHz or 10.7 MHz
>> with separate IF strips.
>> Tuning is by a PA0KLT synthesiser.
>> I have been a bit out of touch lately and am not very up to date with
>> the latest MOSFETS etc. The mixers use the 1992 Ulrich Rohde FET
>> double balanced mixer circuit.
>> The rest of the sytem was built back in the early 1990's but put to
>> one side until a better frequency sythesiser was available.
>> Now it looks like the time to get things moving again!
>> Regards Cliff Wright ZL1BDA ex G3NIA.
>
> Hello
>
> Some late thoughts about amplifier candidate...
> One simple but low cost one could be push-pull Jfet amplifier using
> two J309 in parallel, gate grounded. Input can matched to 50 ohm using
> 1:0.7 input transformer (fets do have lower input impedance than 50
> ohm) and output at drains can be 4:1 balanced transformer.
> Spice analysis shows around 9dB gain and very good wide-band input
> matching, probably noise figure is also not much greater than one fet
> alone, actually it should be lower. One thing needed is quite equal
> fets, Idss and Vp, four matched fets should be still easy to find.
> Sorry don't have more exact figures to give, but this could be one
> candidate to evaluate.
>
> br Kari B
> Oh6io
>
>
>

Just a quick follow up on the RF amplifier question. Yes I do need a bit of gain (say 12 dB) before the mixer. One reason is that for many years I have experimented with low angle radiation on 14 MHz cw. Signals are often quite weak from the antipodes of NZ (the western mediterranean

area) and I often work them when the band appears dead around local noon. Fortunately my neighbouring ham is not very active these days.
Anyway for now I am using a cascode JFET amplifier with a relatively high supply current and this seems adequate. However applying AGC is a bit of a problem.
Cliff Wright ZL1BDA

556. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-01 06:00:02 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1314856800@panix.com>
Source record: 666
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

557. Re: souce of HF toroid cores in Australasia.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-03 11:11:46 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F55EBF7A1A2Ecrite40@216.196.97.131>
Source record: 667

atec77 <atec77@hotmail.com> wrote in news:j35e79ulh2@dont-email.me:

> On 25/08/2011 9:03 PM, clifford wright wrote:
>> Good Day all!
>> My "new" (it began building in 1985) receiver is very nearly finished
>> and ready for use.
>> It was long delayed by family events and a multitude of synthesiser
>> problems, but now we have DDS synthesisers this is no longer an
>> issue.
>> Just a few AGC attack problems to iron out and some tuned circuits
>> at the
>> front end to arrange.
>> I have some very nice 12.5mm toroids (violet) which work Very well
>> from 1 to 20 MHz but take a severe dive in performance above there.
>> What I need is a source of toroids of the same size but with a
>> frequency range with high Q from say 15 to 60 Mhz. These are for the
>> bandpass tuned rf filter and the 1st IF @ 45 MHz.
>> Anyone got any ideas where I might obtain a few out here in NZ.
>> None of the local suppliers have anything like this and they are also
>> generally very ignorant of the proper use of toroids especially at
>> HF. Any suggestions very gratefully received.
>> Regards Clifford Wright ZL1BDA ex G3NIA
> I would email amidon directly
>

Thanks for the suggestion Amidon were very helpful and have low postage
rates.
ZL1BDA

558. Re: souce of HF toroid cores in Australasia.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-03 13:35:42 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j3tafrbro3@dont-email.me>
Source record: 668

```
On 3/09/2011 9:11 PM, clifford wright wrote:
> atec77<atec77@hotmail.com> wrote in news:j35e79$ulh$2@dont-email.me:
>
>> On 25/08/2011 9:03 PM, clifford wright wrote:
>>> Good Day all!
>>> My "new" (it began building in 1985) receiver is very nearly finished
>>> and ready for use.
>>> It was long delayed by family events and a multitude of synthesiser
>>> problems, but now we have DDS synthesisers this is no longer an
>>> issue.
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>>> I have some very nice 12.5mm toroids (violet) which work Very well
>>> from 1 to 20 MHz but take a severe dive in performance above there.
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>>> frequency range with high Q from say 15 to 60 Mhz. These are for the
>>> bandpass tuned rf filter and the 1st IF @ 45 MHz.
>>> Anyone got any ideas where I might obtain a few out here in NZ.
>>> None of the local suppliers have anything like this and they are also
>>> generally very ignorant of the proper use of toroids especially at
>>> HF. Any suggestions very gratefully received.
>>> Regards Clifford Wright ZL1BDA ex G3NIA
>> I would email amidon directly
>>
>
> Thanks for the suggestion Amidon were very helpful and have low postage
> rates.
> ZL1BDA
I built some stuff recently and even with the freight it was a done deal
being so affordable , glad they helped

--
X-No-Archive: Yes
```

559. ferrite in Oz

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-03 16:25:23 UTC
From: Graeme Zimmer <gzimmer@wideband.net.au>
Message-ID: <oZednWtb8pZoyf_TnZ2dnUVZ_omdnZ2d@giganews.com>
Source record: 669

Hi Clifford,

In Oz the source used to be RJ & US IMPORTS
http://users.catchnet.com.au/~rjandusimports/

But they have ceased trading, although there's still lots of info on
their site.

I think now the best local source is
http://www.minikits.com.au/products.html#ferrites

In the USA, try "The Toroid King" at
http://www.partsandkits.com/

But these days I usually just look an ebay for any radio bits and pieces.

Regards .... Zim VK3GJZ

560. SEXY ACTRESES VIDEOS MOVIES PHOTOS WATCH AND DOWNLOAD

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-04 01:14:26 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <2f8ed2c5-b142-4966-af6a-e8684732f1a9@p25g2000pri.googlegroups.com>
Source record: 670

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

561. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-07 06:05:00 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1315375500@panix.com>
Source record: 671
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

562. scope problem newbie

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-07 23:32:33 UTC
From: douglas darnell <hawkingleary@gmail.com>
Message-ID: <614d30c7-6c2f-4346-9137-9b5a859fc5ae@o9g2000vbo.googlegroups.com>
Source record: 673

hi guys, i just bought a b&k 1470, does anyone know how to put it in
'xy mode'? I'm trying to get Lissajous Curves. thanks in advance

d

563. Michael Jackson - Morphine(remix)

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-07 23:51:40 UTC
From: Rot in Hell Evan Chandler <tony@asb-comm-logicx.com>
Message-ID: <c08ad740-cfb2-4776-98c3-a0329754c739@w28g2000yqw.googlegroups.com>
Source record: 672

Michael Jackson - Morphine(remix)
http://www.youtube.com/watch?v=W7na6TqoHuw

http://www.youtube.com/watch?v=9PT_K0JGvh0
http://www.youtube.com/watch?v=PQbBQC0CYQg
http://asbcommlogicxnet.ourtoolbar.com/exe

564. Re: scope problem newbie

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-08 02:20:14 UTC
From: Ralph Mowery <rmowery28146@earthlink.net>
Message-ID: <aJCdnZPat7zAu_XTnZ2dnUVZ_jednZ2d@earthlink.com>
Source record: 674

"douglas darnell" <hawkingleary@gmail.com> wrote in message
news:614d30c7-6c2f-4346-9137-9b5a859fc5ae@o9g2000vbo.googlegroups.com...
> hi guys, i just bought a b&k 1470, does anyone know how to put it in
> 'xy mode'? I'm trying to get Lissajous Curves. thanks in advance
>
> d

Turn the sweep control to EXT (all the way clockwise). Feed one input to
the chanel 1 input as usual. Feed the other input to the two binding posts
near the sweep control. This is the horizontal input. The center of the
sweep control is the horizontal gain .

565. HOT VIDEOS FOR YOUTH AND ALL ADULT PEOPLE 2011 SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-08 05:59:57 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <a3ec0e4c-fd6a-493d-9bc7-55740600ab0b@y39g2000prd.googlegroups.com>
Source record: 675

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

566. SOUTH INDIAN HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-08 10:51:12 UTC
From: tejaswini <teju9030@gmail.com>
Message-ID: <2c5434fa-141f-45ed-974a-e9cef388814a@m3g2000pri.googlegroups.com>
Source record: 676

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

FOR HOT PHOTO&VIDEOS
SAMANTHA HOT EXCLUSIVE PHOTOS
http://southactresstou.blogspot.com/2011/09/south-actress-samantha.html
FOR EXCLUSIVE HOT ASIN PICS
http://southactresstou.blogspot.com/2011/09/asin.html
KATRINA KAIF RARE PHOTOS
http://southactresstou.blogspot.com/2011/07/katrina-kaif-wallpapers.html
HOT SOUTH ACTRESS IN DIFFERENT DRESSES
http://southactresstou.blogspot.com/2011/08/south-actress.html
DOOKUDU LATEST MOVIE STILLS
http://southactresstou.blogspot.com/2011/08/dookudu-movie-stills.html
KAJAL LATEST ROMANTIC STILLS
http://southactresstou.blogspot.com/2011/07/kajal-agarwal-in-naperu-shiva.html
TAMANNA HOT PHOTOS & VIDEOS
http://southactresstou.blogspot.com/2011/07/tamanna-wallpapers.html

FOR ONLY HOT GUYS SEE THIS
KAJAL AGARWAL LATEST HOT WITHOUT TOP
http://hotactress-kalyani.blogspot.com/2011/08/kajal-agarwal-hot-photos.html
HOT KATRINAKAIF WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/08/katrina-kaif-hot.html
SAMANTHA HOT WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/09/samantha-hot.html
TAMANNA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/tamanna-hot.html
HOT MALLU ACTRESS BHAMA
http://hotactress-kalyani.blogspot.com/2011/09/bhama-hot.html
TOLLYWOOD HOT ACTRESSES
http://hotactress-kalyani.blogspot.com/2011/08/hot-actrsess.html
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KAJAL HOT PHOTOS IN SAREE
http://allyouwants.blogspot.com/2011/06/kajal-very-spice-pics.html

567. the year 1970

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-11 11:07:10 UTC
From: philo <philo@privacy.not>
Message-ID: <BD0bq.7050$sX1.1599@newsfe06.iad>
Source record: 677

A friend of mine gave me some of his old electronics magazines.
Though I really enjoyed looking at the ones from the 1950's...
the ones from 1970 were noteworthy for having construction articles
on tube, transistor and integrated circuit designs.

No, there were not any designs I saw employing both tubes and IC's
but I would not be surprised if someone created such a project at one
time or another

568. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-16 10:34:43 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F626B98457D8crite40@216.196.97.131>
Source record: 678

clifford wright <c.c.wright@paradise.net.nz> wrote in
news:Xns9F51A9D2E3crite40@216.196.97.131:

> Good day all!
> My latest build is a version of the VK5BR noise cancellor.
> So far (using different toroid cores from those specified) I have got
> about 3 "S" points of noise reduction.
> I am expecting a shipment of cores from Amidon in the next few days
> and will try the final version with 2 FT50-75 cores as specifid in the
> later "Amateur Radio" article.
> Basically though I am quite pleased with it. It means more
> adjustments, but in a rural location, but with bad power line noise,
> it seems to help. FYI, Don't go by the "radio communication" circuit.
> It has several errors. Look up VK5BR's own site with all the
> corrections. It would be very intersting to hear of others experience
> with this gadget. Anyone else made one?
> Cliff Wright ZL1BDA ex G3NIA
>

Well the unit is all operating now with the proper ferrite core
transformers.
Results vary with band but on 7 MHz I an getting about 20 dB reduction in
background QRN. 14 MHz is not quite as marked but still about 15 dB.
Quite worthwhile! But one has to remember that this circuit reduces the
LOCAL noise background not ionispheric noise or QRM.
Overall I would recommend it to those troubled by electrical noise.
However I do have some reservations about the Low Q chokes used as front
end tuned circuits. I suspect that the phase shift one needs is not as
accurately obtained and it might work better with some high Q toroids in
their place. That will be tried next as soon as they arrive.
Another thing- Does anyone know of a source of adapters from surface
mountto DIL IC's. This is becoming more and more necessary as newer chips
are NOT being produced in DIL packages. I've had a lot of trouble with a
motor controller chip for an electric bicycle which was 24 pin Surface
mount only.
Clifford wright ZL1BDA ex G3NIA.

569. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-16 10:49:21 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j4v9jk$4cg$1@dont-email.me>
Source record: 679

On 16/09/2011 8:34 PM, clifford wright wrote:
> clifford wright<c.c.wright@paradise.net.nz> wrote in
> news:Xns9F51A9D2E3crite40@216.196.97.131:
>
>> Good day all!
>> My latest build is a version of the VK5BR noise cancellor.
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>>
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> transformers.
> Results vary with band but on 7 MHz I an getting about 20 dB reduction in
> background QRN. 14 MHz is not quite as marked but still about 15 dB.
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> their place. That will be tried next as soon as they arrive.
> Another thing- Does anyone know of a source of adapters from surface
> mountto DIL IC's. This is becoming more and more necessary as newer chips
> are NOT being produced in DIL packages. I've had a lot of trouble with a
> motor controller chip for an electric bicycle which was 24 pin Surface
> mount only.
> Clifford wright ZL1BDA ex G3NIA.
Wouldn't it make more sense to sort the local noises and that should get
you a similar amount , it did here easily being worth several s points

--
X-No-Archive: Yes

570. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-16 12:07:24 UTC
From: Doug White <gwhite@alum.mit.edu>
Message-ID: <Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7>
Source record: 680

clifford wright <c.c.wright@paradise.net.nz> wrote in
news:Xns9F626B98457D8crite40@216.196.97.131:

> clifford wright <c.c.wright@paradise.net.nz> wrote in
> news:Xns9F51A9D2E3crite40@216.196.97.131:
>
>> Good day all!
>> My latest build is a version of the VK5BR noise cancellor.
>> So far (using different toroid cores from those specified) I have got
>> about 3 "S" points of noise reduction.
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>> the later "Amateur Radio" article.
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>> with this gadget. Anyone else made one?
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> Results vary with band but on 7 MHz I an getting about 20 dB reduction
> in background QRN. 14 MHz is not quite as marked but still about 15
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> reduces the LOCAL noise background not ionispheric noise or QRM.
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> front end tuned circuits. I suspect that the phase shift one needs is
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> toroids in their place. That will be tried next as soon as they
> arrive. Another thing- Does anyone know of a source of adapters from
> surface mountto DIL IC's. This is becoming more and more necessary as
> newer chips are NOT being produced in DIL packages. I've had a lot of
> trouble with a motor controller chip for an electric bicycle which was
> 24 pin Surface mount only.
> Clifford wright ZL1BDA ex G3NIA.

There are a couple of adapter board vendors out ther. Unfortunately,
they typically cost more than the IC's. Digikey sells "surfboards", and
there are also these guys:

http://www.adapt-plus.com/products/adapters/prod_smt_board.html

http://www.schmartboard.com/index.asp?page=products_smttodip&id=450

Doug White

571. FS Realistic Scanning Receiver

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-16 23:57:00 UTC
From: Henry <wa0goz@arrl.net>
Message-ID: <j50no7$s4s$5@dont-email.me>
Source record: 681

I have a Realistic PRO-2003 AM/FM scanning receiver for sale. It is in very good shape and comes with the manual. I'm asking $45 plus postage for it. You may contact me off the newsgroup.

Thanks

Henry

572. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-17 03:08:52 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F63200174ED5crite40@216.196.97.131>
Source record: 682

Doug White <gwhite@alum.mit.edu> wrote in
news:Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7:

>
>

Thanks Doug I will follow that up.
After all the chips only cost $5 each so paying up to $10
for an adapter wouldn't be too high a price to pay, it saves so much
trouble. I'm 71 and I surprised myself in that, I was, in the end able to
wire all 24 pins. I'll have to redo a few though and I'm very concerned
about the durability of the joints under vibration as it is an electric
bike controller for a BLDC sensorless electric motor.

Atec77. I'm a bit puzzled about your response!
The whole idea of the system is to reduce the QRN we get around here from
nearby elderly 11 Kv power lines above ground.
W have underground power in our subdivision but the crud is (We have tested
it) radiated from the lines themselves.
Obviously it is MUCH easier to null out local stuff like this than randomly
phased and levelled long distance signals. That is what VK5BR set out to
do, with some success.
When I have my new delivery of toroids I will try out my theory on the
tuned phase shift network on the noise amplifier. If there is a notable
difference I'll post it here.
Best Regards Clifford Wright ZL1BDA ex G3NIA.

573. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-18 01:37:45 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j53i4r$c6u$1@dont-email.me>
Source record: 683

On 17/09/2011 1:08 PM, clifford wright wrote:
> Doug White<gwhite@alum.mit.edu> wrote in
> news:Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7:
>
>>
>>
>
> Thanks Doug I will follow that up.
> After all the chips only cost $5 each so paying up to $10
> for an adapter wouldn't be too high a price to pay, it saves so much
> trouble. I'm 71 and I surprised myself in that, I was, in the end able to
> wire all 24 pins. I'll have to redo a few though and I'm very concerned
> about the durability of the joints under vibration as it is an electric
> bike controller for a BLDC sensorless electric motor.
>
> Atec77. I'm a bit puzzled about your response!
> The whole idea of the system is to reduce the QRN we get around here from
> nearby elderly 11 Kv power lines above ground.
> W have underground power in our subdivision but the crud is (We have tested
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> Obviously it is MUCH easier to null out local stuff like this than randomly
> phased and levelled long distance signals. That is what VK5BR set out to
> do, with some success.
> When I have my new delivery of toroids I will try out my theory on the
> tuned phase shift network on the noise amplifier. If there is a notable
> difference I'll post it here.
> Best Regards Clifford Wright ZL1BDA ex G3NIA.
My question relates to the qrm you accept , we recently solved a problem
here with an HT line which was determined by various means to be at
fault . The power company refused to consider their spark transmitter
line was at fault but after taking legal advice and making formal
complaint they fixed the problem replacing some ceramics dropping the
qrm some 3 to 4 s points and oddly the incoming 240vac got much cleaner .
You do as an individual have rights so although laudable in the attempt
to remove the noise (and I admit I have not been studying the
discussion) I don't remember mention of your complaints process , feel
free to refresh my memory if you wish , once sourced the problem as you
discovered may be addressed by various methods , personally I have
several tx and rx antennas which when switched between various loop and
wires is very successful in assisting communications plus the use of
dsp filtering has altered the radio experience considerably ,VA3AGM did
some very useful work which is inexpensive and works very well with my
sdr and may be used equally with almost any radio you desire .
Personally I don't particularly like digital process and revel in the

audio on my KWM2 and AWA but sometimes have little choice , so maybe I can help ?

--
X-No-Archive: Yes

574. HOT VIDEOS SEXY ROMANTIC PHOTOS DOWNLOAD

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-18 04:01:49 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <61fdf555-0bd0-4bb8-8209-2a0a61db72dd@u19g2000vbm.googlegroups.com>
Source record: 684

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

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massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
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http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
bollywood hot kiss
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http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

575. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-18 05:10:56 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j53uh3$33e$1@dont-email.me>
Source record: 685

On 18/09/2011 11:37 AM, atec77 wrote:
> On 17/09/2011 1:08 PM, clifford wright wrote:
>> Doug White<gwhite@alum.mit.edu> wrote in
>> news:Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7:
>>
>>>
>>>
>>
>> Thanks Doug I will follow that up.
>> After all the chips only cost $5 each so paying up to $10
>> for an adapter wouldn't be too high a price to pay, it saves so much
>> trouble. I'm 71 and I surprised myself in that, I was, in the end able to
>> wire all 24 pins. I'll have to redo a few though and I'm very concerned
>> about the durability of the joints under vibration as it is an electric
>> bike controller for a BLDC sensorless electric motor.
>>
>> Atec77. I'm a bit puzzled about your response!
Coincidently scan ebay for one of these , building one is cheap enough
and my copy works better than I expected

http://www.universal-radio.com/CATALOG/preamps/3541.html

576. SOUTH INDIAN HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-19 11:51:21 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <8dbcef29-3a9c-4d45-9917-cc286aa1aac4@m38g2000vbn.googlegroups.com>
Source record: 686

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KATRINA KAIF HOT IMAGES
http://hotactress-katrina.blogspot.com/2011/08/katrina-kaif-hot.html
TOP 15 HOT BOLLYWOOD KISSES

http://hotactress-katrina.blogspot.com/2011/08/bollywood-kisses.html
KAJAL AGARWAL HOT PICS
http://hotactress-katrina.blogspot.com/2011/09/kajal-agarwal.html

577. SOUTH INDIAN HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-20 18:23:34 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <08ac698f-8a8e-44d7-84a4-1068a883836f@w28g2000yqw.googlegroups.com>
Source record: 687

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KAJAL AGARWAL HOT PICS
http://hotactress-katrina.blogspot.com/2011/09/kajal-agarwal.html

578. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-20 22:41:46 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F676CC5AFBDFcrite40@216.196.97.131>
Source record: 688

atec77 <atec77@hotmail.com> wrote in news:j53i4r$c6u$1@dont-email.me:

> On 17/09/2011 1:08 PM, clifford wright wrote:
>> Doug White<gwhite@alum.mit.edu> wrote in
>> news:Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7:
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>> After all the chips only cost $5 each so paying up to $10
>> for an adapter wouldn't be too high a price to pay, it saves so much
>> trouble. I'm 71 and I surprised myself in that, I was, in the end
>> able to wire all 24 pins. I'll have to redo a few though and I'm very
>> concerned about the durability of the joints under vibration as it is
>> an electric bike controller for a BLDC sensorless electric motor.
>>
>> Atec77. I'm a bit puzzled about your response!
>> The whole idea of the system is to reduce the QRN we get around here
>> from nearby elderly 11 Kv power lines above ground.
>> W have underground power in our subdivision but the crud is (We have
>> tested it) radiated from the lines themselves.
>> Obviously it is MUCH easier to null out local stuff like this than
>> randomly phased and levelled long distance signals. That is what
>> VK5BR set out to do, with some success.
>> When I have my new delivery of toroids I will try out my theory on
>> the tuned phase shift network on the noise amplifier. If there is a
>> notable difference I'll post it here.
>> Best Regards Clifford Wright ZL1BDA ex G3NIA.
> My question relates to the qrm you accept , we recently solved a
> problem here with an HT line which was determined by various means to
> be at fault . The power company refused to consider their spark
> transmitter line was at fault but after taking legal advice and making
> formal complaint they fixed the problem replacing some ceramics
> dropping the qrm some 3 to 4 s points and oddly the incoming 240vac
> got much cleaner . You do as an individual have rights so although
> laudable in the attempt
> to remove the noise (and I admit I have not been studying the
> discussion) I don't remember mention of your complaints process , feel
> free to refresh my memory if you wish , once sourced the problem as
> you discovered may be addressed by various methods , personally I have
> several tx and rx antennas which when switched between various loop
> and wires is very successful in assisting communications plus the use
> of dsp filtering has altered the radio experience considerably ,VA3AGM

> did some very useful work which is inexpensive and works very well
> with my sdr and may be used equally with almost any radio you desire .
> Personally I don't particularly like digital process and revel in the
> audio on my KWM2 and AWA but sometimes have little choice , so maybe I
> can help ?
>

Ah now I understand! Well both my neighbouring fellow ham and I had
already follwed this up as far as we could go, Indeed we did get quite an
improvement on the original situation. We had the radio inspectors from
Auckland out here twice and weny out on a survey with them by car, with a
whole lot of gear to find tha sources of the interference.
This resulted in a reduction from S8 on 40 M down to about S5/6. The
trouble is that I have always been interested in weak signal work on 20
when I work the Antipodes of the Auckland area (Spain and the Western
Mediterranean) when the band is apparently very dead. VK5BR's device got
the noise down almost as much again and I have hopes of an improved and
higher Q phasing network imprving on that.
BTW my fellow ham actually works for one of the local power companies!
NOT our local one unfortunately!
Of course out here in the country we always have the dreaded electric
fences clicking in the background!
As to aerials. Well I have a reasonable QTH near the top of a hill, but
as I have other hobbies, including amateur astronomy I don't have
unlimited space (the observatory has to go somewhere).
So I have a G5RV with proper open wire feeders and the mast that supports
it is tuned to behave as a 5/8 wave vertical on 20m as well.
Overall I would say that the vertical is about 4 Decibels worse than the
G5RV as far as noise pickup is concerned.
My noise antenna runs along the top of a fence below the G5RV for about
3/4 of a wavelength at 14 MHz.
As an old timer I'm afraid that I am not very enamoured of digital radio
, it's OK in synthesisers etc but doing it all in software takes all the
"human" interface out for me. I still use a 1918 morse key for example.
Some of the gear I have seen lately, you might just as well get on the
internet!!! However I still build a lot of my own gear and the commercial
stuff I use has been heavily modified,improved and upgraded.
73's Cliff Wright ZL1BDA ex G3NIA

579. Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-25 14:03:33 UTC
From: Tuuk <abra@cadabra.com>
Message-ID: <TwGfq.43416$OI1.14819@newsfe07.iad>
Source record: 689

Hi,
I have a big self supporting tower in the yard, it is grounded by grounding rods and of course itself. I am attaching two satelite dishes to the tower. The most practical way is using 2x4 wood, this will work great just screwing them to the wood and it will squeeze itself to the brackets and support nicely. I am wondering about the connection to the tower because there will not be grounded to the tower. There wont be any connection (metal to metal) form the satelite dish and the tower, that leads me to believe that the only grounding would be the shielded cable which gets grounded to the nice new 50" plazma.

My question is should i ground that? Should the satelite dish itself be grounded to the tower? Is there any reason for this? Safety wise or interference wise? It would be very simple to do, but not sure if I should or want to. Please give me advice as to either ground the dish to tower or not to. Does anyone think there will be issues? Should I or shouldn't I?

Thanks for any advice.

580. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-25 14:13:19 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j5nctv$6d6$2@dont-email.me>
Source record: 690

On 09/25/2011 10:03 AM, Tuuk wrote:
> Hi,
> I have a big self supporting tower in the yard, it is grounded by grounding
> rods and of course itself. I am attaching two satelite dishes to the tower.
> The most practical way is using 2x4 wood, this will work great just
> screwing
> them to the wood and it will squeeze itself to the brackets and support
> nicely. I am wondering about the connection to the tower because there will
> not be grounded to the tower. There wont be any connection (metal to metal)
> form the satelite dish and the tower, that leads me to believe that the
> only
> grounding would be the shielded cable which gets grounded to the nice new
> 50" plazma.
>
> My question is should i ground that? Should the satelite dish itself be
> grounded to the tower? Is there any reason for this? Safety wise or
> interference wise? It would be very simple to do, but not sure if I should
> or want to. Please give me advice as to either ground the dish to tower or
> not to. Does anyone think there will be issues? Should I or shouldn't I?
>
> Thanks for any advice.
>
>
If the feedline is unbalanced then at some point it should be grounded
to avoid "static" noise. The antenna should be connected to ground
though a lightning arrester for safety.

581. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-25 15:05:10 UTC
From: Tuuk <abra@cadabra.com>
Message-ID: <EqHfq.54$xY3.36@newsfe02.iad>
Source record: 691

Hi

The feedline is the cable coax, there is no balun or tuner inline I would imagine. Just the simple satelite dish with dual LNB and it receives from two different satelites.

So it is in my best interests, best viewing interests, best protection of the new TV to ground out the satelite dish, its arm, its base to the tower and that in turn will ground out into the ground obviously.

Simple copper connection between tower and satellite. Easily done.

Thanks for the advice.

"Kenneth Scharf" <wa2mze@bellsouth.net> wrote in message news:j5nctv$6d6$2@dont-email.me...
> On 09/25/2011 10:03 AM, Tuuk wrote:
>> Hi,
>> I have a big self supporting tower in the yard, it is grounded by
>> grounding
>> rods and of course itself. I am attaching two satelite dishes to the
>> tower.
>> The most practical way is using 2x4 wood, this will work great just
>> screwing
>> them to the wood and it will squeeze itself to the brackets and support
>> nicely. I am wondering about the connection to the tower because there
>> will
>> not be grounded to the tower. There wont be any connection (metal to
>> metal)
>> form the satelite dish and the tower, that leads me to believe that the
>> only
>> grounding would be the shielded cable which gets grounded to the nice new
>> 50" plazma.
>>
>> My question is should i ground that? Should the satelite dish itself be
>> grounded to the tower? Is there any reason for this? Safety wise or
>> interference wise? It would be very simple to do, but not sure if I
>> should
>> or want to. Please give me advice as to either ground the dish to tower
>> or
>> not to. Does anyone think there will be issues? Should I or shouldn't I?
>>
>> Thanks for any advice.
>>
>>
> If the feedline is unbalanced then at some point it should be grounded to

> avoid "static" noise. The antenna should be connected to ground though a
> lightning arrester for safety.
>

582. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-25 15:17:43 UTC
From: Ralph Mowery <rmowery28146@earthlink.net>
Message-ID: <DIydnZVVl76K2-LTnZ2dnUVZ_qCdnZ2d@earthlink.com>
Source record: 692

```
" Tuuk" <abra@cadabra.com> wrote in message
news:EqHfq.54$xY3.36@newsfe02.iad...
> Hi
>
> The feedline is the cable coax, there is no balun or tuner inline I would
> imagine. Just the simple satelite dish with dual LNB and it receives from
> two different satelites.
>
> So it is in my best interests, best viewing interests, best protection of
> the new TV to ground out the satelite dish, its arm, its base to the tower
> and that in turn will ground out into the ground obviously.
>
> Simple copper connection between tower and satellite. Easily done.
>
> Thanks for the advice.
>

If the tower is galvanized steel, do not hook the copper directly to it.
You need a clamp to go between the two differant kinds of metel. If not ,
there will be corosion and could weaken the tower.
You could always use a piece of galvanized wire and stainless steel clamps.
```

583. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-25 15:59:03 UTC
From: "Geoffrey S. Mendelson" <gsm@mendelson.com>
Message-ID: <slrnj7ujma.l2d.gsm@cable.mendelson.com>
Source record: 693

> Simple copper connection between tower and satellite. Easily done.

I assumme you meant between the tower and the satellite DISH. A copper connection between the tower and the satellite would be awfuly expensive and get tangled quickly. :-)

Geoff.

--
Geoffrey S. Mendelson N3OWJ/4X1GM
Making your enemy reliant on software you support is the best revenge.

584. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-27 15:00:16 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <92ce44a6-44d4-46f0-812e-83e2eec61616@hd1g2000vbb.googlegroups.com>
Source record: 694

Hey OM

You should only have one ground rod everything should ground to it. So you should ground the dish to the tower with the shortest possible ground wire preferribly copper strap.

I you have more than one ground rod then there can be standing voltage difference between the ground rods which could be on the order of thousands of volts.

73 OM
de N8ZU

585. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-27 16:03:08 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <IYKdnSaF5vhfbhzTnZ2dnUVZ_oqdnZ2d@bright.net>
Source record: 695

On 9-27-2011 15:00, raypsi wrote:
> Hey OM
>
> You should only have one ground rod everything should ground to it. So
> you should ground the dish to the tower with the shortest possible
> ground wire preferribly copper strap.
>
> I you have more than one ground rod then there can be standing voltage
> difference between the ground rods which could be on the order of
> thousands of volts.
>
> 73 OM
> de N8ZU

Not true. The "Bible" on grounding is contained in Motorola Standard R56. Chapter 4 deals with "outdoor" grounding and Chapter 5 deals with "indoor" grounding. 518 pages total!

We drive ground rods (usually 2 joined together with ground rod couplers) at each corner of our buildings and then bond #2 wire to each set of ground rods, forming a circle around the building and buried at 24"-30" or so. Another #2 wire is connected from this ring (at one point) to a single ground buss on the external wall of the building. We build a similar ring around the tower base. The tower ring is connected to the building ring. Page 102 of the R56 manual shows this...

http://www.radioandtrunking.com/downloads/motorola/R56_2005_manual.pdf

N0EDV

586. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-27 18:16:28 UTC
From: Bruce Gordon <fast@btpost.net>
Message-ID: <fast-2597B1.10161827092011@news.starband.net>
Source record: 696

In article
<92ce44a6-44d4-46f0-812e-83e2eec61616@hd1g2000vbb.googlegroups.com>,
raypsi <rborowiak@gmail.com> wrote:

> Hey OM
>
> You should only have one ground rod everything should ground to it. So
> you should ground the dish to the tower with the shortest possible
> ground wire preferribly copper strap.
>
> I you have more than one ground rod then there can be standing voltage
> difference between the ground rods which could be on the order of
> thousands of volts.
>
> 73 OM
> de N8ZU

Hmmm, Raypsi seems to be confusing Ground Rods, with the NEC Requirement of having only ONE Ground/Neutral Bonding Point, for each individual Distribution System, which is to be made at the Entrance Panel, or Main Panel, in the System. Ground Rods can be, as many as a user needs, or as few as ONE, depending on Soil Conductivity, and what is Grounded. For some PowerHouses in Alaska, there are as many as 10 Grounding Rods, connected with Bare (0) Phosphor/Bronze Conductors placed around the building, and bonded to each of the Diesel Gensets inside the building. Just Say'en.... YMMV....

--
Bruce in Alaska add path before the @ for email

587. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-27 22:55:57 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j5tka0efa1@dont-email.me>
Source record: 697

```
On 28/09/2011 1:00 AM, raypsi wrote:
> Hey OM
>
> You should only have one ground rod everything should ground to it. So
> you should ground the dish to the tower with the shortest possible
> ground wire preferribly copper strap.
>
> I you have more than one ground rod then there can be standing voltage
> difference between the ground rods which could be on the order of
> thousands of volts.
>
> 73 OM
> de N8ZU
Incorrect , one bonding point per system but multiple grounding rods
when qualified is fine

--
X-No-Archive: Yes
```

588. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-28 14:38:03 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <4bf57c6c-ae32-4e72-8e67-998d067095fb@k15g2000yqd.googlegroups.com>
Source record: 698

Hey OM:

I see it all the time out on the water. You look at why fowl like FLAMINGOs stand on one leg in the water? Because the ones that stood on 2 legs got eletrocuted when lightening hit the water. The voltage difference set up between their little legs was enough to kill them. That's why FLAMINGOs stand on one leg. They also don't read technical books but have learned from evolution the hard way.

Thousands of years of evolution can't be over looked, FLAMINGOs know one ground point is the best. .

73 OT
de n8zu

589. SUPER HOT VIDEOS N BULK SEXY PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-29 00:42:11 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <6250e266-4c43-4a9d-9808-48319d8df2df@k10g2000vbn.googlegroups.com>
Source record: 699

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

massage hot videos
http://hotvideosonlyx.blogspot.com/2010/09/massage-hot-videos.html
romantic videos
http://hotvideosonlyx.blogspot.com/2010/09/romantic-videos.html
hollywood hot kiss
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot-kiss.html
hollywood hot
http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
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http://hotvideosonlyx.blogspot.com/2010/09/tollywood-hot-kiss.html

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SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

590. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-29 03:49:06 UTC
From: Allodoxaphobia <knock_yourself_out@example.net>
Message-ID: <slrnj87qks.2dc2.knock_yourself_out@shell.config.com>
Source record: 700

```
On Wed, 28 Sep 2011 07:38:03 -0700 (PDT), raypsi wrote:
>
> I see it all the time out on the water. You look at why fowl like
> FLAMINGOs stand on one leg in the water?

You have Flamingos in Redford, Michigan??????
Damn!!! Global warming has progressed far faster than I had thought!
```

591. Re: Antenna advice please??

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-29 14:53:30 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <ae45158d-30b5-45c4-8db9-89bd926f5dd4@z12g2000yqz.googlegroups.com>
Source record: 701

On Sep 28, 11:49 pm, Allodoxaphobia <knock_yourself_...@example.net>
wrote:
> On Wed, 28 Sep 2011 07:38:03 -0700 (PDT), raypsi wrote:
>
> > I see it all the time out on the water. You look at why fowl like
> > FLAMINGOs stand on one leg in the water?
>
> You have Flamingos in Redford, Michigan??????
> Damn!!! Global warming has progressed far faster than I had thought!

Hey OM:

The Pink Flamingo motel got them stuck in the front lawn and the motel
has hooks on the walls of every room. for miskrittens like me. The yl
got her own whip.

73 OT
de n8zu

592. ICOM 745 / 751 MEMORY BOARD NEEDED

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-29 19:44:33 UTC
From: justme <jbleaux@gmail.com>
Message-ID: <0ki987pd9l7lam47ldpaoeeujmgp1fv2p5@4ax.com>
Source record: 702

I need to find the internal ram board for an Icom 745/751. I broke mine by pushing too hard when reinstalling.

Money is tight, as we all know. Do you have one that I can buy?

I sure would appreciate it.

Thank you.

593. on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-30 17:12:29 UTC
From: Ted Ham <rexxhat3405@adl.com>
Message-ID: <j64ta8$38r$1@dont-email.me>
Source record: 703

I recently came across some literature suggesting on-line Ham receiving stations available for transmitter testing. In other words, I send out a signal on one of the Ham bands and on one of the on-line frequencies, and then either hear my signal immediately on-line or a short time afterwards. Are there frequencies set up on-line and on the Ham bands for such testing? What are the links & frequencies?

Thanks,
Ted

594. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-09-30 22:48:42 UTC
From: Bob <someone@somewhere.com>
Message-ID: <j65h0d$67h$1@dont-email.me>
Source record: 704

They're general coverage receivers out there that you can tune to any
frequency that is within their capabilities.
Google "online receivers" or such.

"Ted Ham" <rexxhat3405@adl.com> wrote in message
news:j64ta8$38r$1@dont-email.me...
>I recently came across some literature suggesting on-line Ham receiving
>stations available for transmitter testing. In other words, I send out a
>signal on one of the Ham bands and on one of the on-line frequencies, and
>then either hear my signal immediately on-line or a short time afterwards.
>Are there frequencies set up on-line and on the Ham bands for such testing?
>What are the links & frequencies?
>
> Thanks,
> Ted

595. BEST 10 HOT SEXY VIDEOS AND MASALA KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 01:21:09 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <6ac404bb-b4a3-4c13-9023-d6561a6b9f11@d26g2000vby.googlegroups.com>
Source record: 705

ALL HOT PHOTOS SUPER SeXY PHOTOS
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

hot lip kiss

HOT LIP KISS 109
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-109.html
HOT LIP KISS 115
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-115.html
HOTLIP KISS 87
http://alltoux.blogspot.com/2010/09/hotlip-kiss-87.html
HOT LIP KISS 124
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-124.html
HOT LIP KISS 56
http://alltoux.blogspot.com/2010/09/hot-lip-kiss-56.html

HOT VIDEOS

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http://hotvideosonlyx.blogspot.com/2010/09/hollywood-hot.html
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SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

596. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 06:00:02 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1317448801@panix.com>
Source record: 706
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

597. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 13:07:48 UTC
From: Ian Jackson <ianREMOVETHISjackson@g3ohx.demon.co.uk>
Message-ID: <7H7n87KkCxhOFwcl@g3ohx.demon.co.uk>
Source record: 707

>"Ted Ham" <rexxhat3405@adl.com> wrote in message
>news:j64ta8$38r$1@dont-email.me...
>>I recently came across some literature suggesting on-line Ham receiving
>>stations available for transmitter testing. In other words, I send out a
>>signal on one of the Ham bands and on one of the on-line frequencies, and
>>then either hear my signal immediately on-line or a short time afterwards.
>>Are there frequencies set up on-line and on the Ham bands for such testing?
>>What are the links & frequencies?
>>
>> Thanks,
>> Ted
>
In message <j65h0d$67h$1@dont-email.me>, Bob <someone@somewhere.com>
writes
>They're general coverage receivers out there that you can tune to any
>frequency that is within their capabilities.
>Google "online receivers" or such.
>

>
I think that this is the sort of thing you are looking for. A few of the
receiving sites are in the USA.
http://www.websdr.org/
--
Ian

598. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 13:16:23 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <arqdnV0Wmsg6jxrTnZ2dnUVZ_uudnZ2d@bright.net>
Source record: 708

> In message <j65h0d$67h$1@dont-email.me>, Bob <someone@somewhere.com> writes
>> They're general coverage receivers out there that you can tune to any
>> frequency that is within their capabilities.
>> Google "online receivers" or such.

Here's another site:
http://www.globaltuners.com/

599. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 13:58:49 UTC
From: david <none@nospam.com>
Message-ID: <j676aplnu1@dont-email.me>
Source record: 709

On Sat, 01 Oct 2011 13:16:23 +0000, Scott rearranged some electrons to
say:

>> In message <j65h0d$67h$1@dont-email.me>, Bob <someone@somewhere.com>
>> writes
>>> They're general coverage receivers out there that you can tune to any
>>> frequency that is within their capabilities.
>>> Google "online receivers" or such.
>
>
> Here's another site: http://www.globaltuners.com/

For PSK31, here's one that can select by band and call sign:

http://pskreporter.info/pskmap.html

600. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 14:47:41 UTC
From: Ted Ham <rexxhat3405@adl.com>
Message-ID: <j6796f$9s5$1@dont-email.me>
Source record: 710

Thanks, guys, I'll look into those. Just so you know, I'm looking for a
live or nearly live on-line receiver in the 20 meter band, USB. I have a
new rig I'll be trying out soon and I'd like to hear what it sounds like.
73, Ted

"david" <none@nospam.com> wrote in message
news:j676aplnu1@dont-email.me...
> On Sat, 01 Oct 2011 13:16:23 +0000, Scott rearranged some electrons to
> say:
>
>>> In message <j65h0d$67h$1@dont-email.me>, Bob <someone@somewhere.com>
>>> writes
>>>> They're general coverage receivers out there that you can tune to any
>>>> frequency that is within their capabilities.
>>>> Google "online receivers" or such.
>>
>>
>> Here's another site: http://www.globaltuners.com/
>
> For PSK31, here's one that can select by band and call sign:
>
> http://pskreporter.info/pskmap.html
>
>
>

601. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-01 15:00:36 UTC
From: Ian Jackson <ianREMOVETHISjackson@g3ohx.demon.co.uk>
Message-ID: <RGX98oCUsyhOFwo+@g3ohx.demon.co.uk>
Source record: 711

In message <j64ta8$38r$1@dont-email.me>, Ted Ham <rexxhat3405@adl.com>
writes
>I recently came across some literature suggesting on-line Ham receiving
>stations available for transmitter testing. In other words, I send out
>a signal on one of the Ham bands and on one of the on-line frequencies,
>and then either hear my signal immediately on-line or a short time
>afterwards. Are there frequencies set up on-line and on the Ham bands
>for such testing? What are the links & frequencies?
>
>Thanks,
>Ted

Quite a few on this list are in the USA.
http://www.websdr.org/
--
Ian

602. Re: on-line receivers for transmitter testing in USA?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-02 13:10:18 UTC
From: Ted Ham <rexxhat3405@adl.com>
Message-ID: <j69nrtjkh1@dont-email.me>
Source record: 712

Appreciate the response from all here, gentlemen. In fact, the very concept of a software receiver has me intrigued to try setting up my own on the PC. However, as I look at some of the ones people are using at the websdr.org link, I find most are out of stock. Of course, Winradio has been around for years, but a much higher price tag. Any info on getting a "Softrock" or similar receiver would be welcome. Thanks, Ted

"Ted Ham" <rexxhat3405@adl.com> wrote in message
news:j64ta8$38r$1@dont-email.me...
>I recently came across some literature suggesting on-line Ham receiving
>stations available for transmitter testing. In other words, I send out a
>signal on one of the Ham bands and on one of the on-line frequencies, and
>then either hear my signal immediately on-line or a short time afterwards.
>Are there frequencies set up on-line and on the Ham bands for such testing?
>What are the links & frequencies?
>
> Thanks,
> Ted

603. SDR recommendations?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-02 18:55:52 UTC
From: Ted Ham <rexxhat3405@adl.com>
Message-ID: <j6ac3p$l8q$1@dont-email.me>
Source record: 713

After the prior post mentioning SDR radios, and me seeing how they work withe the web radios, I am now intrigued by the concept. There are several DIY and assembled brands used, with SoftRock being among the best price. However, SoftRock does not appear to be available at this time and several other brands may be "retired" as well.

What would be recommended? I don't want to spend a fortune, but still want decent quality, preferably covering the HF bands. SSB, AM, FM. I see a brand called Elektor SDR offering assembled kits under $150 US. However, some people have problems with setup and a weak receiver. Now they have a preamp for another $75 or so.

Appreciate any thoughts on the subject.

Thanks,
Ted Ham

604. HOT SEXY VIDEOS PRESENT MASLA PHOTOS FOR ADULTS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-03 00:39:45 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <01f96974-50da-48e9-9900-172242f9bf07@i30g2000yqd.googlegroups.com>
Source record: 714

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

605. Re: SDR recommendations?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-03 11:48:51 UTC
From: Adam Sampson <ats@offog.org>
Message-ID: <y2ad3ee1ejg.fsf@cartman.at.offog.org>
Source record: 715

"Ted Ham" <rexxhat3405@adl.com> writes:

> However, SoftRock does not appear to be available at this time and
> several other brands may be "retired" as well.

The SoftRock kits aren't retired; it's just that they appear in batches
and usually sell out within a day or so. If you're interested in getting
one, your best bet is to join the softrock40 group and wait for an
announcement:
http://groups.yahoo.com/group/softrock40/

Alternatively, you could try contacting Tony Parks directly. It sounds
like the SoftRock RX Ensemble kit would suit you (continuously-tunable
receiver with bandpass filters for 160m-10m on a single board; I built
the previous two-board version and have been very happy with it).

The SoftRock kits have the advantage of excellent build documentation
(http://www.wb5rvz.com/sdr/) and lots of troubleshooting experience on
the mailing list, but it's worth looking at some of the other similar
kits from other suppliers too.

For example, the Soft66RF is much like the RX Ensemble, but designed to
use off-the-shelf inductors:
http://zao.jp/radio/66RF/index_e.php

And Funkamateur do a line of cheap fixed-frequency/IF receivers along
the lines of the SR Lite, but with all through-hole components, and with
LF and VHF variants available:
http://www.box73.de/catalog/index.php?cPath=112_113_143

(If you have an existing radio with a suitably wide IF output, a
fixed-frequency receiver on the IF frequency is the cheapest and easiest
way of playing with SDR; the SR Lite or Funkamateur kits cater for that.)

Hope this helps,

--
Adam Sampson <ats@offog.org> <http://offog.org/>

606. Re: SDR recommendations?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-03 12:31:22 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j6c9v1$bq2$1@dont-email.me>
Source record: 716

On 3/10/2011 4:55 AM, Ted Ham wrote:
> After the prior post mentioning SDR radios, and me seeing how they work
> withe the web radios, I am now intrigued by the concept. There are
> several DIY and assembled brands used, with SoftRock being among the
> best price. However, SoftRock does not appear to be available at this
> time and several other brands may be "retired" as well.
>
> What would be recommended? I don't want to spend a fortune, but still
> want decent quality, preferably covering the HF bands. SSB, AM, FM. I
> see a brand called Elektor SDR offering assembled kits under $150 US.
> However, some people have problems with setup and a weak receiver. Now
> they have a preamp for another $75 or so.
>
> Appreciate any thoughts on the subject.
>
> Thanks,
> Ted Ham
http://www.genesisradio.com.au/
awsome radio and simple to assemble \

I managed and so could you

--
X-No-Archive: Yes

607. SOUTH INDIAN HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-05 18:00:16 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <c382fb48-7881-4efe-9f22-c437a87512f5@20g2000yqq.googlegroups.com>
Source record: 717

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

MOGUDU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/mogudu-movie-stills.html
HANSIKA MATOWNI LATEST HOT STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/hansika-motwani.html
KAJAL AGARWAL HOT PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/kajal-agarwal.html
TAMANNA SIRUTHAI HOT MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/siruthai-movie-stills.html
SNEHA HOT GOA MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/goa-movie-stills.html
HOT KATRINA KAIF PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/katrina-kaif.html
AISHWARYA RAI HOT HQ PHOTO STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/aishwarya-rai.html
ASIN HOT PHOTO GALLERY
http://actressgallery-kalyani.blogspot.com/2011/09/asin.html

FOR ONLY HOT GUYS SEE THIS
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/priyamani-hot.html
KAJAL AGARWAL LATEST HOT WITHOUT TOP
http://hotactress-kalyani.blogspot.com/2011/08/kajal-agarwal-hot-photos.html
TAMANNA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/tamanna-hot.html
PRANITHA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/pranitha-hot.html
HOT KATRINAKAIF WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/08/katrina-kaif-hot.html
SAMANTHA HOT WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/09/samantha-hot.html
HOT MALLU ACTRESS BHAMA
http://hotactress-kalyani.blogspot.com/2011/09/bhama-hot.html
TOLLYWOOD HOT ACTRESSES
http://hotactress-kalyani.blogspot.com/2011/08/hot-actrsess.html
SONAKSHI SINHA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/sonakshi-sinha-hot.html
PRIYANKA CHOPRA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/priyanka-chopra-hot.html

LATEST AMISHA PATEL HOT PICS
http://hotactress-kalyani.blogspot.com/2011/08/amisha-patel-hot.html
TAPSEE DIFFERENT STILLS

http://hotactress-kalyani.blogspot.com/2011/08/tapsee-hot.html
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/priyamani-hot.html

KATRINA KAIF HOT IMAGES
http://hotactress-katrina.blogspot.com/2011/08/katrina-kaif-hot.html
TOP 15 HOT BOLLYWOOD KISSES
http://hotactress-katrina.blogspot.com/2011/08/bollywood-kisses.html
KAJAL AGARWAL HOT PICS
http://hotactress-katrina.blogspot.com/2011/09/kajal-agarwal.html

608. how can I measure resonant frequency of Toko coil with dip meter?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-05 22:37:19 UTC
From: Jerrold Jones <jj@no_whjere.net>
Message-ID: <j6im72ave1@dont-email.me>
Source record: 718

I have a project where I am going to modify an internal receiver circuit that uses Toko style coils for the various stages. I want to be able to determine the resonant frequency of these coils. I'm told I can do this with a dip meter, but I'm not sure how. The Toko coils are shielded. If I just bring the dip meter coil near, I don't get a response. Am I going to have to remove the Toko coils from the circuit, remove the metal shield, and then move the dip meter close and adjust for the dip or is there a simpler way?

Thanks in advance,
Jer

609. Re: how can I measure resonant frequency of Toko coil with dip meter?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-05 23:06:53 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <64568e5e-1f72-4f7e-bf47-414503795dbe@5g2000yqo.googlegroups.com>
Source record: 719

On Oct 5, 3:37 pm, "Jerrold Jones" <jj@no_whjere.net> wrote:
> I have a project where I am going to modify an internal receiver circuit
> that uses Toko style coils for the various stages. I want to be able to
> determine the resonant frequency of these coils. I'm told I can do this
> with a dip meter, but I'm not sure how. The Toko coils are shielded. If I
> just bring the dip meter coil near, I don't get a response. Am I going to
> have to remove the Toko coils from the circuit, remove the metal shield, and
> then move the dip meter close and adjust for the dip or is there a simpler
> way?
>
> Thanks in advance,
> Jer

Are they just coils that you resonate with an external capacitance, or
do they include capacitors? If they are coils, you should be able to
resonate them with an external capacitor, and leave the leads long
enough (formed in a loop) to couple to the GDO. The leads add some
inductance that you can at least estimate and subtract out. If you
can't couple closely enough with a single turn loop like that, you can
use multiple turns, again estimating or measuring the inductance of
those turns and subtracting it out.

If the shield cans also contain capacitors (as is typical for IF
transformers), things get more complicated...

Removing the shield can is probably not a good idea. If the coil
inside is open (doesn't have a powdered iron tube around it), then the
inductance of the coil will be somewhat lowered when it's inside the
shield. If the coil inside does have a powdered iron tube around it,
you may not be able to couple well enough to the coil to measure it.

You may also have other ways to measure the coil/resonator...you can
do a lot even with a general-coverage receiver.

Cheers,
Tom

610. Re: how can I measure resonant frequency of Toko coil with dip meter?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-06 03:34:33 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1110052333350.8438@darkstar.example.net>
Source record: 720

On Wed, 5 Oct 2011, Jerrold Jones wrote:

> I have a project where I am going to modify an internal receiver circuit that
> uses Toko style coils for the various stages. I want to be able to determine
> the resonant frequency of these coils. I'm told I can do this with a dip
> meter, but I'm not sure how. The Toko coils are shielded. If I just bring
> the dip meter coil near, I don't get a response. Am I going to have to
> remove the Toko coils from the circuit, remove the metal shield, and then
> move the dip meter close and adjust for the dip or is there a simpler way?
>
So if it's a commercial receiver, the information may already be out
there, but nobody would know until you reveal the receiver, and the stage
you want to modify.

Michael VE2BVW

611. Re: how can I measure resonant frequency of Toko coil with dip meter?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-06 10:51:13 UTC
From: Jerrold Jones <jj@no_whjere.net>
Message-ID: <j6k174$91c$1@dont-email.me>
Source record: 721

Yes, I have the original coil specs, but only in frequency and the schematics do show whether they are coil only or have an internal capacitor present. The problem I'm facing is that I know the new frequency I want to use, which is about half as high as the current frequency, but I don't know how to figure out the correct number of new windings I'll need. The coils are all Toko in shielded cans, so there are a lot of unknowns. Even knowing the frequencies they are on now, I still haven't been able to measure it and that is where I must start. I guess if I have to remove each one, break the internal capactor, and then form a loop around the dip meter coil with a new cap in parallel with the coil, I could, but I was hoping for a simpler way.

Jer

"Michael Black" <et472@ncf.ca> wrote in message
news:Pine.LNX.4.64.1110052333350.8438@darkstar.example.net...
> On Wed, 5 Oct 2011, Jerrold Jones wrote:
>
>> I have a project where I am going to modify an internal receiver circuit
>> that uses Toko style coils for the various stages. I want to be able to
>> determine the resonant frequency of these coils. I'm told I can do this
>> with a dip meter, but I'm not sure how. The Toko coils are shielded. If
>> I just bring the dip meter coil near, I don't get a response. Am I going
>> to have to remove the Toko coils from the circuit, remove the metal
>> shield, and then move the dip meter close and adjust for the dip or is
>> there a simpler way?
>>
> So if it's a commercial receiver, the information may already be out
> there, but nobody would know until you reveal the receiver, and the stage
> you want to modify.
>
> Michael VE2BVW
>

612. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-07 06:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1317967500@panix.com>
Source record: 722
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

613. Do you like sporty? Chances are you love sports NFL

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-08 03:17:49 UTC
From: fashion t shirts seller <yongyingwen@yahoo.com.cn>
Message-ID: <0f80c5a0-eba8-4bd8-88ef-bc36584be078@17g2000prv.googlegroups.com>
Source record: 723
Cross-posted to: rec.radio.amateur.homebrew,rec.puzzles.crosswords

Do you like sporty? Chances are you love sports NFL jerseys! A sports jersey is something that you cherish all your life as a favourite piece of memorabilia. It can be your own, or you may have obtained it from someone else like a professional athlete. This can be preserved for life as a momento, and why people often get their sports 2011 jersey framed as a treasure. http://jerseys-seller.com/

614. keyer kit

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-08 12:16:06 UTC
From: philo <philo@privacy.not>
Message-ID: <faXjq.3085$YL7.2956@newsfe18.iad>
Source record: 724

I am cleaning my house and found a Bel-Tek keyer kit that was never assembled

if you want it, my gmail addy is philo565

615. Re: keyer kit

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-09 04:50:12 UTC
From: philo <philo@privacy.not>
Message-ID: <9K9kq.5428$ff7.1862@newsfe15.iad>
Source record: 725

On 10/08/2011 07:16 AM, philo wrote:
> I am cleaning my house and found a Bel-Tek keyer kit that was never
> assembled
>
>
> if you want it, my gmail addy is philo565

now pending

616. Now gone (eom)

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-09 12:03:25 UTC
From: philo <philo@privacy.not>
Message-ID: <i4gkq.6122$ff7.3189@newsfe15.iad>
Source record: 726

[No readable article body recovered]

617. Re: how can I measure resonant frequency of Toko coil with dip meter?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-09 14:30:11 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <j6sb5l$65v$1@dont-email.me>
Source record: 727

```
On 10/06/2011 06:51 AM, Jerrold Jones wrote:
> Yes, I have the original coil specs, but only in frequency and the
> schematics do show whether they are coil only or have an internal
> capacitor present. The problem I'm facing is that I know the new
> frequency I want to use, which is about half as high as the current
> frequency, but I don't know how to figure out the correct number of new
> windings I'll need. The coils are all Toko in shielded cans, so there
> are a lot of unknowns. Even knowing the frequencies they are on now, I
> still haven't been able to measure it and that is where I must start. I
> guess if I have to remove each one, break the internal capactor, and
> then form a loop around the dip meter coil with a new cap in parallel
> with the coil, I could, but I was hoping for a simpler way.
>
> Jer
>
>
> "Michael Black" <et472@ncf.ca> wrote in message
> news:Pine.LNX.4.64.1110052333350.8438@darkstar.example.net...
>> On Wed, 5 Oct 2011, Jerrold Jones wrote:
>>
>>> I have a project where I am going to modify an internal receiver
>>> circuit that uses Toko style coils for the various stages. I want to
>>> be able to determine the resonant frequency of these coils. I'm told
>>> I can do this with a dip meter, but I'm not sure how. The Toko coils
>>> are shielded. If I just bring the dip meter coil near, I don't get a
>>> response. Am I going to have to remove the Toko coils from the
>>> circuit, remove the metal shield, and then move the dip meter close
>>> and adjust for the dip or is there a simpler way?
>>>
>> So if it's a commercial receiver, the information may already be out
>> there, but nobody would know until you reveal the receiver, and the
>> stage you want to modify.
>>
>> Michael VE2BVW
>>
>
If you have an L/C meter or bridge you can connect the unknown shielded
coil in series with an inductor of known value and measure the two in
series. Then subtract the known inductance from the reading. (works
for coil without parallel capacitor). For a parallel LC combo with a
bridge you can measure the combined L C reactances at different
frequencies and work out the L and C values, but the math is a bit involved.
```

618. Re: Ultimate transmatch

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-10 11:59:10 UTC
From: Clutter <radioprism@all2easy.net>
Message-ID: <j6ummf$6cb$1@dont-email.me>
Source record: 728

On 08/10/2011 11:45 AM, Tim Shoppa wrote:
> On Jul 24, 3:18 pm, Kenneth Scharf<wa2...@bellsouth.net> wrote:
>> For the most part I will be using coax fed antennas.
>>
>> There is an idea I've been thinking about and I wonder if it will work.
>> There is a myth that high SWR on coax will produce a high line loss.
>> Most of the loss involved with having a high SWR is in the coupling to
>> the receiver / transmitter, not so much in the transmission line itself,
>> at least not at HF. So long as a high voltage is no present on the
>> transmission line (arc over) or a very high current (resistive loss),
>> and the dielectric material does not introduce loss at the frequency
>> involved common 1/2" dia coax should work fine as an unbalanced feed
>> line even at a high swr ratio.
>
> Coax loss at high SWR is a myth? It's been tabulated in every handbook
> for the past century.
>
>> Common Ferrite core balums do not usually work well at impedances above
>> 50/75 ohms input. Using them to convert an unbalanced transmatch to a
>> balanced one AT THE OUTPUT is usually not a good idea.
>
> Often it's the choice made, though.
>
> Baluns that deal with less than optimal impedances are available but
> they are no magic bullet. Substantial engineering effort and material
> must go into them to deal with the stresses at operating away from
> their natural sweet spot (as you point out 50 ohm ballpark.)
>
>> (Insulate the
>> transmatch from ground and put the balum at the input works better).
>> A "choke" balum made by winding 10 turns or so of coax in a loop about a
>> foot or so in diameter has lower loss than a ferrite core balum, no core
>> heating.
>>
>> So my idea was to run a length of coax from the shack through the attic
>> crawl space and up to the roof (though a vent turbine). On the roof
>> would be a coax choke balum connected to 450 ohm twinlead "open wire"
>> line. This would connect to a "multiband" dipole. There is no way I
>> can run the open wire line from the shack up to the roof, this stuff
>> must be run 'in the clear' anyway. Coax being an unbalanced line is not
>> affected by it's surroundings.
>
> The coax to 450 ohm twinlead via choke "balun"... wow, it sounds like
> you are getting the worst of all possible worlds here. I agree that

> transformer-type baluns are stressed at high impedances but
> purposefully putting a 9:1 mismatch on the end of your coax is just
> asking for a world of hurt with anything except the most shortest coax
> runs (a few feet.)
>
> You might want to back up a few steps and consider if you can locate a
> coax-to-twinlead tuner, almost certainly not broadband, on the wall or
> roof of the shack or house. That way you have a nice controlled 50 ohm
> coax run inside, and it's all twinlead outside. If the shack is far
> from the tuner, today there are remotely operated tuners just for this
> purpose. In the most traditional set ups mechanical remote operation
> (chains, pulleys, etc.) was sometimes used (look in any 30's/40's/50's
> handbook.) (When I was a kid my uncle who was a ham, used a scheme
> involving bicycle cranks and extra long chains for rotating his beam!)
>
> Len Cebik's webpages are an excellent resource on ladder line, all
> band doublets, and link-coupled tuners. I can't emphasize enough how
> excellently this can work out. Don't paint yourself into a corner.
>
> Tim N3QE

If you run coax up to the roof, how about using some 70 ohm CATV coax? I have some here I got for free, 3/4 in diameter. Oftentimes cable TV companies have shorter 'reel ends' they are willing to give away. The stuff is 'semi-rigid' but you may be able to get it to feed up that conduit anyway. Worth a try. (BTW I do *not* mean RG-6 junk here, I mean the larger diameter semi-rigid types only)

On the roof, if you must go the 'balun' route, a 4:1 or more likely 9:1 unun may be OK. Obviously, a balanced tuner accessible for adjustments would be best.

CATV 'hardline' is not near as lossy as RG-8 or RG-213 types up around 10 meters. So try some- and don't worry that it's not 50 ohm impedance, just use it as if it were.

I built the SPC type tuner myself, nearly 20 years ago. It's not always the answer, but oftentimes it worked pretty good, allowing me to extend the usable BW of some narrow antennas and still keep the amps happy.

73, David K3KY

619. toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 04:15:00 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F7BAF70DBBB7crite40@216.196.97.131>
Source record: 729

Good day! Has anyone got any application information for the Toyocom
45E2B2 45 MHz 4 pole filter. It comes as 2x3 lead crystal cans.
Unfortunately it has been over 20 years since I started this reciever
project. (It was put to one side after a HEAP of sythesiser problems)
Of course I cannot now find any data on how the two crystal units are coupled
together.
What info I has gives a Zi/o of 4K Ohms and 0.8 pF but the only info on
coupling the 2 is an unexplained figure of 1pF?
That seems too small to me even at 45 MHz!
So what I need urgently is an clarification of the coupling required between
the 2 units.
Has any kind person got this info anywhere? Or does anyone have circuit
information on a receiver which used this filter? That would give me a lot of
clues.
73's Clifford Wright ZL1BDA ex G3NIA Helensville New Zealand.

620. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 09:38:21 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <ec9ce520-b030-4e95-9640-9d413db2b844@f6g2000vbm.googlegroups.com>
Source record: 730

On Oct 11, 8:15 am, clifford wright <c.c.wri...@paradise.net.nz>
wrote:
> Good day! Has anyone got any application information for the Toyocom
> 45E2B2 45 MHz 4 pole filter. It comes as 2x3 lead crystal cans.
> Unfortunately it has been over 20 years since I started this reciever
> project. (It was put to one side after a HEAP of sythesiser problems)
> Of course I cannot now find any data on how the two crystal units are coupled
> together.
> What info I has gives a Zi/o of 4K Ohms and 0.8 pF but the only info on
> coupling the 2 is an unexplained figure of 1pF?
> That seems too small to me even at 45 MHz!
> So what I need urgently is an clarification of the coupling required between
> the 2 units.
> Has any kind person got this info anywhere? Or does anyone have circuit
> information on a receiver which used this filter? That would give me a lot of
> clues.
> 73's Clifford Wright ZL1BDA ex G3NIA Helensville New Zealand.

Hello.
Your filter is now a discontinued product and placed at
http://www.epsontoyocom.co.jp/english/discon/discon_filter.html

As usual, negative capacitance mean tuned resonant tank, slightly
distuned from 45 MHz.
If you can not measure shape of passband characteristics, simply
ignore these -1 pF.

If you interested, can see on my upconv receievers at
http://www.cqham.ru/forum/showthread.php?t=9688

621. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 10:18:17 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <2980165e-e99d-4a04-9d65-1d982977a4dc@de2g2000vbb.googlegroups.com>
Source record: 731

As In/Out match with filters on UM5 crystals I use L-match (series L
and paraleal C near to quartz filter).

Older boards with similar filters:

http://www.cqham.ru/forum/attachment.php?attachmentid=8799&d=1174486632

http://www.cqham.ru/forum/attachment.php?attachmentid=8798&d=1174486657

http://www.cqham.ru/forum/attachment.php?attachmentid=8249&d=1172829520

622. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 10:46:27 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F7BF1CEF655Bcrite40@216.196.97.131>
Source record: 732

genadiz <mgs2001@pochtamt.ru> wrote in
news:ec9ce520-b030-4e95-9640-9d413db2b844@f6g2000vbm.googlegroups.com:

> On Oct 11, 8:15 am, clifford wright <c.c.wri...@paradise.net.nz>
> wrote:
>> Good day! Has anyone got any application information for the Toyocom
>> 45E2B2 45 MHz 4 pole filter. It comes as 2x3 lead crystal cans.
>> Unfortunately it has been over 20 years since I started this reciever
>> project. (It was put to one side after a HEAP of sythesiser problems)
>> Of course I cannot now find any data on how the two crystal units are
>> cou
> pled
>> together.
>> What info I has gives a Zi/o of 4K Ohms and 0.8 pF but the only info on
>> coupling the 2 is an unexplained figure of 1pF?
>> That seems too small to me even at 45 MHz!
>> So what I need urgently is an clarification of the coupling required
>> betw
> een
>> the 2 units.
>> Has any kind person got this info anywhere? Or does anyone have circuit
>> information on a receiver which used this filter? That would give me a
>> lo
> t of
>> clues.
>> 73's Clifford Wright ZL1BDA ex G3NIA Helensville New Zealand.
>
> Hello.
> Your filter is now a discontinued product and placed at
> http://www.epsontoyocom.co.jp/english/discon/discon_filter.html
>
> As usual, negative capacitance mean tuned resonant tank, slightly
> distuned from 45 MHz.
> If you can not measure shape of passband characteristics, simply
> ignore these -1 pF.
>
> If you interested, can see on my upconv receievers at
> http://www.cqham.ru/forum/showthread.php?t=9688
>

Thanks Genadiz.
I am an "old timer" and still trying to keep up with new technology at 71
years, after 60 years of electronics!!! A close inspection of your boards
appears to show that there is simply a low value preset capacitor from the

junction of the 2 Xtal units to ground. Is that correct?
I have tried the offset 45 MHz tuned circuit, but it is quite possible that I had the LC ratio wrong. Perhaps I should aim for a ~4K Ohm reactance? Unfortunately I don't read Cyrillic. My language skills are mostly in French, German and Maori with a bit of Swedish and about 20 words of Russian. In any event the only real problem now is the coupling of the 2 filter units as in your older designs. Matching to the input and output of the filter is no great problem. 73's Cliff Wright

623. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 11:03:05 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <19909a9a-3387-4a1e-8428-5aba8486ebf2@z8g2000yqb.googlegroups.com>
Source record: 733

I'm point you to russian fourm for see pictures, not for reading.

In this (your) case, I propouse use at middle a tank with fixed
1...1.5 uH and 1..10 pF trimmer cap - align this circuit (at same time
align input and output of filter) until the shape of passband is good
enough.

624. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 11:12:49 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <40492cee-5b0c-4c01-87b4-790afa5a5ef2@q25g2000vbx.googlegroups.com>
Source record: 734

>>low value preset capacitor from the
>>junction of the 2 Xtal units to ground. Is that correct?

This case related only to my type of filters - in your case, you need
little L.

625. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 13:56:29 UTC
From: "Jan Jongejan, PE1SBG" <Vandaagniet@onbekend.zz>
Message-ID: <95904$4e944bd7$d55dfeee$10098@news.chello.nl>
Source record: 735

clifford wright wrote:

> Unfortunately I don't read Cyrillic. My language skills are
> mostly in French, German and Maori with a bit of Swedish and about 20
> words of Russian. 73's Cliff Wright

www.google.com, click More and then Translate. The rest is obvious. It translates the russian website very well.

Regards,
Jan PE1SBG

626. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 21:11:27 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F7C67A1E509Acrite40@216.196.97.131>
Source record: 736

genadiz <mgs2001@pochtamt.ru> wrote in news:19909a9a-3387-4a1e-8428-5aba8486ebf2@z8g2000yqb.googlegroups.com:

> I'm point you to russian fourm for see pictures, not for reading.
>
> In this (your) case, I propouse use at middle a tank with fixed
> 1...1.5 uH and 1..10 pF trimmer cap - align this circuit (at same time
> align input and output of filter) until the shape of passband is good
> enough.
>

Bolshoi Spasiba Genadiz!!!
You have even done some design work for me, for which I thank you.
I will go over your sites again as I now have access to a good translation programme.
Vy 73's
Clifford wright New Zealand.

627. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 21:11:34 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <6eee933f-3f5f-4a7f-9281-50a8526a896c@g23g2000vbz.googlegroups.com>
Source record: 737

On Oct 11, 5:56 pm, "Jan Jongejan, PE1SBG" <Vandaagn...@onbekend.zz>
wrote:
> clifford wright wrote:
> > Unfortunately I don't read Cyrillic. My language skills are
> > mostly in French, German and Maori with a bit of Swedish and about 20
> > words of Russian. 73's Cliff Wright
>
> www.google.com, click More and then Translate. The rest is obvious. It
> translates the russian website very well.
>
> Regards,
> Jan PE1SBG

I'm check result of translation - the major part of semantics is
translated very good.

73!
Genadi UA1ARN

628. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-11 21:34:19 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <e21e08d0-4963-4589-8d57-b6630bb0d89c@db5g2000vbb.googlegroups.com>
Source record: 738

> Bolshoi Spasiba Genadiz!!!
> You have even done some design work for me, for which I thank you.
> I will go over your sites again as I now have access to a good translation
> programme.
> Vy 73's
> Clifford wright New Zealand.

Especially, I want to point you to new prototype - RX with codename
"Voronenok" = Crow child.
http://www.cqham.ru/forum/attachment.php?attachmentid=93427
It is a simplified version of my old big boards - only 160*225 mm
size.
No NFM detector and simplified 1-st LO synthesizer.
Bay the way, in a synthesizer way i'm inspired by John Miles KE5FX.
Control program (for Atmega32/Atmega644 or AT91SAM7S64) also uploaded
to forum.

629. HOT SEX BED ROOM VIDEOS AND 200 BEST ACTRESSES PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-12 09:49:54 UTC
From: 9038 <1jghgcgcc@gmail.com>
Message-ID: <b9a95b88-3bac-4e9e-b517-0583caad1feb@k39g2000prl.googlegroups.com>
Source record: 739

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

630. Re: toyocom Xtal filters

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-12 22:51:04 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F7D78860150Ecrite40@216.196.97.131>
Source record: 740

clifford wright <c.c.wright@paradise.net.nz> wrote in
news:Xns9F7C67A1E509Acrite40@216.196.97.131:

> genadiz <mgs2001@pochtamt.ru> wrote in news:19909a9a-3387-4a1e-8428-
> 5aba8486ebf2@z8g2000yqb.googlegroups.com:
>
>> I'm point you to russian fourm for see pictures, not for reading.
>>
>> In this (your) case, I propouse use at middle a tank with fixed
>> 1...1.5 uH and 1..10 pF trimmer cap - align this circuit (at same time
>> align input and output of filter) until the shape of passband is good
>> enough.
>>
>
> Bolshoi Spasiba Genadiz!!!
> You have even done some design work for me, for which I thank you.
> I will go over your sites again as I now have access to a good translation
> programme.
> Vy 73's
> Clifford wright New Zealand.

Well Genadiz! I have designed the L networks and used your values for the
parallel tuned circuit between them. All is well! As you say you can tidy up
the filter response with the tuned circuit. It goes into the receiver today.
Thank's again for your great help!
Vy73's Cliff wright ZL1BDA.

631. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-13 10:28:20 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F7DEEBD371A5crite40@216.196.97.131>
Source record: 741

clifford wright <c.c.wright@paradise.net.nz> wrote in
news:Xns9F676CC5AFBDFcrite40@216.196.97.131:

> atec77 <atec77@hotmail.com> wrote in news:j53i4r$c6u$1@dont-email.me:
>
>> On 17/09/2011 1:08 PM, clifford wright wrote:
>>> Doug White<gwhite@alum.mit.edu> wrote in
>>> news:Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7:
>>>
>>>>
>>>>
>>>
>>> Thanks Doug I will follow that up.
>>> After all the chips only cost $5 each so paying up to $10
>>> for an adapter wouldn't be too high a price to pay, it saves so much
>>> trouble. I'm 71 and I surprised myself in that, I was, in the end
>>> able to wire all 24 pins. I'll have to redo a few though and I'm very
>>> concerned about the durability of the joints under vibration as it is
>>> an electric bike controller for a BLDC sensorless electric motor.
>>>
>>> Atec77. I'm a bit puzzled about your response!
>>> The whole idea of the system is to reduce the QRN we get around here
>>> from nearby elderly 11 Kv power lines above ground.
>>> W have underground power in our subdivision but the crud is (We have
>>> tested it) radiated from the lines themselves.
>>> Obviously it is MUCH easier to null out local stuff like this than
>>> randomly phased and levelled long distance signals. That is what
>>> VK5BR set out to do, with some success.
>>> When I have my new delivery of toroids I will try out my theory on
>>> the tuned phase shift network on the noise amplifier. If there is a
>>> notable difference I'll post it here.
>>> Best Regards Clifford Wright ZL1BDA ex G3NIA.
>> My question relates to the qrm you accept , we recently solved a
>> problem here with an HT line which was determined by various means to
>> be at fault . The power company refused to consider their spark
>> transmitter line was at fault but after taking legal advice and making
>> formal complaint they fixed the problem replacing some ceramics
>> dropping the qrm some 3 to 4 s points and oddly the incoming 240vac
>> got much cleaner . You do as an individual have rights so although
>> laudable in the attempt
>> to remove the noise (and I admit I have not been studying the
>> discussion) I don't remember mention of your complaints process , feel
>> free to refresh my memory if you wish , once sourced the problem as
>> you discovered may be addressed by various methods , personally I have

>> several tx and rx antennas which when switched between various loop
>> and wires is very successful in assisting communications plus the use
>> of dsp filtering has altered the radio experience considerably ,VA3AGM
>> did some very useful work which is inexpensive and works very well
>> with my sdr and may be used equally with almost any radio you desire .
>> Personally I don't particularly like digital process and revel in the
>> audio on my KWM2 and AWA but sometimes have little choice , so maybe I
>> can help ?
>>
>
> Ah now I understand! Well both my neighbouring fellow ham and I had
> already follwed this up as far as we could go, Indeed we did get quite an
> improvement on the original situation. We had the radio inspectors from
> Auckland out here twice and weny out on a survey with them by car, with a
> whole lot of gear to find tha sources of the interference.
> This resulted in a reduction from S8 on 40 M down to about S5/6. The
> trouble is that I have always been interested in weak signal work on 20
> when I work the Antipodes of the Auckland area (Spain and the Western
> Mediterranean) when the band is apparently very dead. VK5BR's device got
> the noise down almost as much again and I have hopes of an improved and
> higher Q phasing network imprving on that.
> BTW my fellow ham actually works for one of the local power companies!
> NOT our local one unfortunately!
> Of course out here in the country we always have the dreaded electric
> fences clicking in the background!
> As to aerials. Well I have a reasonable QTH near the top of a hill, but
> as I have other hobbies, including amateur astronomy I don't have
> unlimited space (the observatory has to go somewhere).
> So I have a G5RV with proper open wire feeders and the mast that supports
> it is tuned to behave as a 5/8 wave vertical on 20m as well.
> Overall I would say that the vertical is about 4 Decibels worse than the
> G5RV as far as noise pickup is concerned.
> My noise antenna runs along the top of a fence below the G5RV for about
> 3/4 of a wavelength at 14 MHz.
> As an old timer I'm afraid that I am not very enamoured of digital radio
> , it's OK in synthesisers etc but doing it all in software takes all the
> "human" interface out for me. I still use a 1918 morse key for example.
> Some of the gear I have seen lately, you might just as well get on the
> internet!!! However I still build a lot of my own gear and the commercial
> stuff I use has been heavily modified,improved and upgraded.
> 73's Cliff Wright ZL1BDA ex G3NIA
>

Follow up to VK5BR noise canceller as promised.
Well it is all going quite well. The input coils have link windings to
match the input to 50 Ohms and are all wound on the appropriate Amidon
toroids.
Works very well against local QRN on 3.5/7 and 10 MHZ bands.
Not as effective on 14, 18 and 21 Mhz. However I suspect that this might
be partially due to the ferrite grade used in the rf transformers.

Amidon only specify it up to 15 Mhz and I am going to try a grade specified to 30MHz when I can get some in. BTW I have used the later circuit with 2 transformers to reduce rf losses. The RX/TX circuit shown works well and doesn't seem to cause any damage to the unit with 200 watts going to the antenna.
Altogether a very interesting circuit and worth while for those doing weak signal work, or in a very bad QTH.
One major point however. If you use a vertical and have a horizontal noise pickup antenna you may well find it very ineffective. Probably it overwhelms the adjustment range of the RF phasing control, but I have not determined this yet.
Give it a try if you have problems.
73's Cliff Wright Helensville ZL1BDA ex G3NIA NZVRS

632. Re: Anyone with experience of the VK5BR noise canceller?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-14 02:33:54 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j7872p$9f5$1@dont-email.me>
Source record: 742

```
On 13/10/2011 8:28 PM, clifford wright wrote:
> clifford wright<c.c.wright@paradise.net.nz> wrote in
> news:Xns9F676CC5AFBDFcrite40@216.196.97.131:
>
>> atec77<atec77@hotmail.com> wrote in news:j53i4r$c6u$1@dont-email.me:
>>
>>> On 17/09/2011 1:08 PM, clifford wright wrote:
>>>> Doug White<gwhite@alum.mit.edu> wrote in
>>>> news:Xns9F6252A4AA0C9gwhitealummitedu@69.16.186.7:
>>>>
>>>>>
>>>>>
>>>>
>>>> Thanks Doug I will follow that up.
>>>> After all the chips only cost $5 each so paying up to $10
>>>> for an adapter wouldn't be too high a price to pay, it saves so much
>>>> trouble. I'm 71 and I surprised myself in that, I was, in the end
>>>> able to wire all 24 pins. I'll have to redo a few though and I'm very
>>>> concerned about the durability of the joints under vibration as it is
>>>> an electric bike controller for a BLDC sensorless electric motor.
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>>>> Atec77. I'm a bit puzzled about your response!
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>>>> from nearby elderly 11 Kv power lines above ground.
>>>> W have underground power in our subdivision but the crud is (We have
>>>> tested it) radiated from the lines themselves.
>>>> Obviously it is MUCH easier to null out local stuff like this than
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>>>> Best Regards Clifford Wright ZL1BDA ex G3NIA.
>>> My question relates to the qrm you accept , we recently solved a
>>> problem here with an HT line which was determined by various means to
>>> be at fault . The power company refused to consider their spark
>>> transmitter line was at fault but after taking legal advice and making
>>> formal complaint they fixed the problem replacing some ceramics
>>> dropping the qrm some 3 to 4 s points and oddly the incoming 240vac
>>> got much cleaner . You do as an individual have rights so although
>>> laudable in the attempt
>>> to remove the noise ( and I admit I have not been studying the
>>> discussion) I don't remember mention of your complaints process , feel
>>> free to refresh my memory if you wish , once sourced the problem as
```

>>> you discovered may be addressed by various methods , personally I have
>>> several tx and rx antennas which when switched between various loop
>>> and wires is very successful in assisting communications plus the use
>>> of dsp filtering has altered the radio experience considerably ,VA3AGM
>>> did some very useful work which is inexpensive and works very well
>>> with my sdr and may be used equally with almost any radio you desire .
>>> Personally I don't particularly like digital process and revel in the
>>> audio on my KWM2 and AWA but sometimes have little choice , so maybe I
>>> can help ?
>>>
>>
>> Ah now I understand! Well both my neighbouring fellow ham and I had
>> already follwed this up as far as we could go, Indeed we did get quite an
>> improvement on the original situation. We had the radio inspectors from
>> Auckland out here twice and weny out on a survey with them by car, with a
>> whole lot of gear to find tha sources of the interference.
>> This resulted in a reduction from S8 on 40 M down to about S5/6. The
>> trouble is that I have always been interested in weak signal work on 20
>> when I work the Antipodes of the Auckland area (Spain and the Western
>> Mediterranean) when the band is apparently very dead. VK5BR's device got
>> the noise down almost as much again and I have hopes of an improved and
>> higher Q phasing network imprving on that.
>> BTW my fellow ham actually works for one of the local power companies!
>> NOT our local one unfortunately!
>> Of course out here in the country we always have the dreaded electric
>> fences clicking in the background!
>> As to aerials. Well I have a reasonable QTH near the top of a hill, but
>> as I have other hobbies, including amateur astronomy I don't have
>> unlimited space (the observatory has to go somewhere).
>> So I have a G5RV with proper open wire feeders and the mast that supports
>> it is tuned to behave as a 5/8 wave vertical on 20m as well.
>> Overall I would say that the vertical is about 4 Decibels worse than the
>> G5RV as far as noise pickup is concerned.
>> My noise antenna runs along the top of a fence below the G5RV for about
>> 3/4 of a wavelength at 14 MHz.
>> As an old timer I'm afraid that I am not very enamoured of digital radio
>> , it's OK in synthesisers etc but doing it all in software takes all the
>> "human" interface out for me. I still use a 1918 morse key for example.
>> Some of the gear I have seen lately, you might just as well get on the
>> internet!!! However I still build a lot of my own gear and the commercial
>> stuff I use has been heavily modified,improved and upgraded.
>> 73's Cliff Wright ZL1BDA ex G3NIA
>>
>
> Follow up to VK5BR noise canceller as promised.
> Well it is all going quite well. The input coils have link windings to
> match the input to 50 Ohms and are all wound on the appropriate Amidon
> toroids.
> Works very well against local QRN on 3.5/7 and 10 MHZ bands.
> Not as effective on 14, 18 and 21 Mhz. However I suspect that this might

> be partially due to the ferrite grade used in the rf transformers.
> Amidon only specify it up to 15 Mhz and I am going to try a grade specified
> to 30MHz when I can get some in. BTW I have used the later circuit with 2
> transformers to reduce rf losses. The RX/TX circuit shown works well and
> doesn't seem to cause any damage to the unit with 200 watts going to the
> antenna.
> Altogether a very interesting circuit and worth while for those doing weak
> signal work, or in a very bad QTH.
> One major point however. If you use a vertical and have a horizontal noise
> pickup antenna you may well find it very ineffective. Probably it
> overwhelms the adjustment range of the RF phasing control, but I have not
> determined this yet.
> Give it a try if you have problems.
> 73's Cliff Wright Helensville ZL1BDA ex G3NIA NZVRS

I built something very similar to the mfj unit , the cores are specified
to 30 mhz so you should benefit when changing , I can switch between a
horizontal beverage and a sloper and being able to change in such a
manner does in fact have nothing but advantages as well as often
improving rx several s points
I suggest you try micrometals who have exactly what's required and
good delivery

--
X-No-Archive: Yes

633. ROMANTIC HOT PICS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-20 14:25:19 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <e222072e-63c2-41eb-9569-dea3fa574f2c@h39g2000prh.googlegroups.com>
Source record: 743

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

7TH SENSE MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/10/7th-sense-movie-stills.html
MOGUDU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/mogudu-movie-stills.html
HANSIKA MATOWNI LATEST HOT STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/hansika-motwani.html
KAJAL AGARWAL HOT PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/kajal-agarwal.html
TAMANNA SIRUTHAI HOT MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/siruthai-movie-stills.html
SNEHA HOT GOA MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/goa-movie-stills.html
HOT KATRINA KAIF PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/katrina-kaif.html
AISHWARYA RAI HOT HQ PHOTO STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/aishwarya-rai.html
ASIN HOT PHOTO GALLERY
http://actressgallery-kalyani.blogspot.com/2011/09/asin.html

FOR ONLY HOT GUYS SEE THIS
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/priyamani-hot.html
SAMANTHA LATEST HOT STILLS
http://hotactress-kalyani.blogspot.com/2011/09/samantha-hot.html
ANJALI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/anjali-hot.html
HANSIKA MOTWANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/hansika-motwani-hot.html
KAJAL AGARWAL LATEST HOT WITHOUT TOP
http://hotactress-kalyani.blogspot.com/2011/08/kajal-agarwal-hot-photos.html
TAMANNA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/tamanna-hot.html
PRANITHA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/pranitha-hot.html
HOT KATRINAKAIF WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/08/katrina-kaif-hot.html
HOT MALLU ACTRESS BHAMA
http://hotactress-kalyani.blogspot.com/2011/09/bhama-hot.html
TOLLYWOOD HOT ACTRESSES
http://hotactress-kalyani.blogspot.com/2011/08/hot-actrsess.html
SONAKSHI SINHA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/sonakshi-sinha-hot.html

PRIYANKA CHOPRA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/priyanka-chopra-hot.html

LATEST AMISHA PATEL HOT PICS
http://hotactress-kalyani.blogspot.com/2011/08/amisha-patel-hot.html
TAPSEE DIFFERENT STILLS
http://hotactress-kalyani.blogspot.com/2011/08/tapsee-hot.html
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/priyamani-hot.html

634. decent, low or moderate cost home brew RF amp?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-23 19:30:13 UTC
From: John Cooper <none@none.com>
Message-ID: <j81q0cimo1@dont-email.me>
Source record: 744

Being out of ham for nearly 20 years, I am recently getting back involved on HF voice (10-80 meters). I have a small 2 watt QRP SSB rig that I would like to boost up to at least 100 W PEP in the mobile. What amps are available accepting low drive on HF for >100 w output? How about schematics or plans? Thank you, John

635. Re: decent, low or moderate cost home brew RF amp?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-23 20:25:59 UTC
From: atec77 <atec77@hotmail.com>
Message-ID: <j81t8o$5ti$1@dont-email.me>
Source record: 745

On 24/10/2011 5:30 AM, John Cooper wrote:
> Being out of ham for nearly 20 years, I am recently getting back
> involved on HF voice (10-80 meters). I have a small 2 watt QRP SSB rig
> that I would like to boost up to at least 100 W PEP in the mobile. What
> amps are available accepting low drive on HF for >100 w output? How
> about schematics or plans? Thank you, John
Valve or s/s ?

http://www.vk4dd.com might give some ideas ?

--
X-No-Archive: Yes

636. electret condenser mic question

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-24 17:45:45 UTC
From: mad.scientist.jr@gmail.com
Message-ID: <1591656.2540.1319478345037.JavaMail.geo-discussion-forums@yqp37>
Source record: 746

I have a couple of devices with electret condenser mics, one is an old Casio PDA (running Windows CE), another is a 1/8" headphone adapter with a built-in microphone (for iPhone/iPad). Both devices have working mics, but recordings are noisy. The noise is slightly different in each case. With the PDA, recordings have a rumbling noise over them. With the iPhone adapter, recordings have a popping sound that appears every second or so. Does anyone recognize these symptoms and can they be fixed with a new electret mic element, or by some simple modification such as wiring a resistor or capacitor in? (I have a few electret mics taken out of old radios/etc, that may still be good.)

637. Re: decent, low or moderate cost home brew RF amp?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-26 03:31:16 UTC
From: ogrowup@webtv.net
Message-ID: <692-4EA77F04-80@storefull-3172.bay.webtv.net>
Source record: 747

Look through back copies of the Radio Amateurs Handbook (ARRL).

--
"History is not a spectator sport."-- Dr. Bruce Freeberg --

638. Kepro BTX-200 Ultra-violet exposure frame for sale

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-27 03:31:40 UTC
From: Henry <wa0goz@arrl.net>
Message-ID: <j8ajaqqrk2@dont-email.me>
Source record: 748

I have a circuit board exposure frame for sale. $100 plus
postage from zip 55082. Payment in US$ in advance by check
or money order. Sorry, no Paypal. Unpackaged weight 35 lbs.

Kepro BTX-200 ultra-violet exposure frame.

Kepro Circuit Systems Inc

12 X 16 inch exposure area.

3 or 5 lamps. Manual or 0 - 5 minute timer.

It can be viewed at:

http://home.comcast.net/~hsknoll/site/?/photos/&PHPSESSID=29ec62ea0bf1fe4d25e318b011cf0bbf

or

http://tinyurl.com/yktwxpz click on photo to enlarge it.

If you are interested, please send me your zip code so I can figure shipping
costs.

Henry WA0GOZ

639. Realistic Scanning Receiver for sale

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-27 03:37:52 UTC
From: Henry <wa0goz@arrl.net>
Message-ID: <j8ajmeqrk8@dont-email.me>
Source record: 749

I have a Realistic PRO-2003 AM/FM scanning receiver for sale. It is in very good shape and comes with the manual. I'm asking $45 plus postage for it. You may contact me off the newsgroup.

Thanks

Henry

640. Re: electret condenser mic question

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-27 04:25:16 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <4dae0328-b6b0-4118-b673-233834af7eea@d37g2000prg.googlegroups.com>
Source record: 750

On Oct 24, 10:45 am, mad.scientist...@gmail.com wrote:
> I have a couple of devices with electret condenser mics, one is an old Casio PDA (running Windows CE), another is a 1/8" headphone adapter with a built-in microphone (for iPhone/iPad). Both devices have working mics, but recordings are noisy. The noise is slightly different in each case. With the PDA, recordings have a rumbling noise over them. With the iPhone adapter, recordings have a popping sound that appears every second or so. Does anyone recognize these symptoms and can they be fixed with a new electret mic element, or by some simple modification such as wiring a resistor or capacitor in? (I have a few electret mics taken out of old radios/etc, that may still be good.)

My guess is that the noises are not the fault of the mic. That said, you can always try another mic. Does either device offer the option of recording an external input (not the built-in mic)? If so, try that--I guess with the second device it IS an external mic. Some noises are inherent in various lossy compression schemes, and some devices (especially ones with a lot of digital stuff going on inside them) don't do a very good job shielding sensitive analog inputs such as a mic input from electrical noise generated in the device.

641. Re: decent, low or moderate cost home brew RF amp?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-27 15:15:21 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <71484d9a-111b-4dd2-9d00-f951f3f6308a@x21g2000yqb.googlegroups.com>
Source record: 601

On Oct 23, 3:30 pm, "John Cooper" <n...@none.com> wrote:
> Being out of ham for nearly 20 years, I am recently getting back involved on
> HF voice (10-80 meters). I have a small 2 watt QRP SSB rig that I would
> like to boost up to at least 100 W PEP in the mobile. What amps are
> available accepting low drive on HF for >100 w output? How about schematics
> or plans? Thank you, John

Hey OT:

Try this Indian ham his web page for an amp is here:
http://www.foxdelta.com/products/rfamp.htm#mrf

He notes in other links that it comes from a clone mod of K7ES's ARRL
1981-3 handbook amp using MRF454's

His amp uses MRF455's, which the spec says they gots 13 db power gain.
meaning 3 watts in 60 watts on paper.
albiet he uses push pull, so I recall somewhere he gets 5 watts in 100
watts out in the real world.

73 OM
de n8zu

642. MC3362 FM Receiver

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-28 19:16:38 UTC
From: Howard James <h.james.james@btinternet.com>
Message-ID: <uomdneE2pYwHYjfTnZ2dnUVZ7o2dnZ2d@bt.com>
Source record: 602

I'm using a Motorola MC3362 in a 2 meter receiver with good results.
However, I know there is a similar Motorola device that has a built in RF amplifier. Does anyone have the part number please? I've done searches to no avail.
Thanks. Howard. G3UPZ

643. Re: MC3362 FM Receiver

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-31 04:33:55 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <848429c6-92bc-4f02-a39c-a324eed6732a@q39g2000prg.googlegroups.com>
Source record: 603

I'm looking at my Motorola "Wireless Semiconductor Solutions (Device Data - Vol. 1), 1998. When did Motorola spin off ON Semi? Some time not long after that, I think. Anyway, in the selector guide on page 1.1-12, it lists the MC3362 as having typical 0.7uV sensitivity, and the similar MC3363 as having an RF amplifier and 0.4uV sensitivity. Both are listed as dual conversion parts. There are also some single conversion parts listed, but they have poorer sensitivities. Looks like you can find the data sheet for it several places on the web, but where you find the part itself is another matter. Maybe they are common at certain surplus dealers...

Cheers,
Tom

The sensitivities are at 12dB SINAD. Hope that helps. On Oct 28, 12:16 pm, "Howard James" <h.james.ja...@btinternet.com> wrote:
> I'm using a Motorola MC3362 in a 2 meter receiver with good results.
> However, I know there is a similar Motorola device that has a built in RF
> amplifier. Does anyone have the part number please? I've done searches to no
> avail.
> Thanks. Howard. G3UPZ

644. HOT VIDEOS FOR YOUTH AND WORLD SEXIEST GIRLS HOT PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-10-31 10:28:38 UTC
From: 0432167FGSDFS <22gbngbfgbb@gmail.com>
Message-ID: <b17e799c-e646-4bff-8667-bebf1d218924@z22g2000prd.googlegroups.com>
Source record: 604

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

645. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-01 06:00:03 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1320127201@panix.com>
Source record: 605
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.1 2009/04/12 19:42:04
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team has decided to consider
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. We are currently trying
this on a temporary basis (90 days, through early July 2009), and adopt
it permanently if successful.

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

646. CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-03 17:59:41 UTC
From: ogrowup@webtv.net
Message-ID: <945-4EB2D68D-973@storefull-3172.bay.webtv.net>
Source record: 606

Just acquired from an old lady her old CB transceiver. It's rather old;
crystal controlled. Is it feasable to swap out the 27 MHz crystals and
replace them with 10M crystals? Is there a source for these crystals?
And would any major modifications to the rig be required?

Any info would be appreciated (and yes, I hold a Technician class
license).

--
"History is not a spectator sport."-- Dr. Bruce Freeberg --

647. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-03 19:50:12 UTC
From: atec77 <" atec77"@hotmail.com>
Message-ID: <j8ur9m$57d$2@dont-email.me>
Source record: 607

```
On 4/11/2011 3:59 AM, Padraigh ProAmerica wrote:
> Just acquired from an old lady her old CB transceiver. It's rather old;
> crystal controlled. Is it feasable to swap out the 27 MHz crystals and
> replace them with 10M crystals? Is there a source for these crystals?
> And would any major modifications to the rig be required?
>
> Any info would be appreciated (and yes, I hold a Technician class
> license).
>
possible but expensive , an o2 based pll is much easier needing only a
few tracks cut and a retune

--

x
X-No-Archive: Yes
```

648. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-03 19:52:02 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111031544320.21529@darkstar.example.net>
Source record: 608

On Thu, 3 Nov 2011, Padraigh ProAmerica wrote:

> Just acquired from an old lady her old CB transceiver. It's rather old;
> crystal controlled. Is it feasable to swap out the 27 MHz crystals and
> replace them with 10M crystals? Is there a source for these crystals?
> And would any major modifications to the rig be required?
>
So long as it uses a pair of crystals per channel (or one for transmit and a tuneable receiver), those are the easiest to convert. Just change crystals, and maybe a slight realignment is needed.

Of course, there was a period when the CB sets were synthesized but via multiple crystals, mixed together. Those would require more effort to move to 10M, one would have to figure out what was going on and then recalculate, and likely realignment would be more important/difficult. I don't recall anyone writing about converting those.

But if there is a pair of crystals per channel, all you need is to either scrounge up suitable crystals or go to a crystal manufacturer with information about the CB set, and they'll grind a set for you. Maybe costly at this point.

The transmit were usually overtone, the actual frequency being around 9MHz, the receive crystals would be the signal frequency minus the IF frequency (often 455KHz, but some had a higher IF), and they too were usually overtone crystals. The good thing is that since you're moving it to a ham band, you can pick any frequency within the band, the bad part is that some parts of the band are better than others in terms of activity, especially for AM, and you need to find a pair of crystals for the frequency.

There was a period when CB sets often had a tuneable receiver, either with a few crystal controlled channels for receiver or none at all, and those would be best, since you can then find any crystal that works and provides a useful frequency, without having to worry about the receive crystal taht also has to be the same frequency, but with the offset for the IF.

Michael VE2BVW

> Any info would be appreciated (and yes, I hold a Technician
class > license).
>
> --
> "History is not a spectator sport."-- Dr. Bruce Freeberg --
>
>

649. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-03 20:05:57 UTC
From: Dave M <dgminala4444@mediacombb.net>
Message-ID: <_LWdnecGteu7aS_TnZ2dnUVZ_qydnZ2d@giganews.com>
Source record: 609

Padraigh ProAmerica wrote:
> Just acquired from an old lady her old CB transceiver. It's rather
> old; crystal controlled. Is it feasable to swap out the 27 MHz
> crystals and replace them with 10M crystals? Is there a source for
> these crystals? And would any major modifications to the rig be
> required?
>
> Any info would be appreciated (and yes, I hold a Technician class
> license).

Yes, it's quite possible, and in fact, a series of articles was published in 73 Magazine back in the late 70s. Recently, a few kind souls scanned and made PDF files of the entire run of 73 Magazine. You can Google for 73 magazine download for places tha tthey can be downloaded. Most are Torrent downloads, and might be the most expedient way to get them. The total download is nearly 17 GB, so it's not trivial. Single issues range from 15 to 50 MB.
If you can provide the make & model of your CB, I'll check to sse if your radio was covered. I can extract and email just the article for your radio if it's covered.

Matter of fact, if you search back through the archives of this list, you'll find a number of places that you can download from. It was only a few months ago that this was discussed.
--
David
dgminala at mediacombb dot net

650. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-03 20:34:04 UTC
From: "Geoffrey S. Mendelson" <gsm@mendelson.com>
Message-ID: <slrnjb5ui5.18d.gsm@cable.mendelson.com>
Source record: 610

Michael Black wrote:

> The transmit were usually overtone, the actual frequency being around
> 9MHz, the receive crystals would be the signal frequency minus the IF
> frequency (often 455KHz, but some had a higher IF), and they too were
> usually overtone crystals. The good thing is that since you're moving it
> to a ham band, you can pick any frequency within the band, the bad part is
> that some parts of the band are better than others in terms of activity,
> especially for AM, and you need to find a pair of crystals for the
> frequency.

If it's old enough to use crystals, it probably AM only. Aren't technicians
permitted on 10m cw and ssb only?

Geoff.

--
Geoffrey S. Mendelson, N3OWJ/4X1GM
My high blood pressure medicine reduces my midichlorian count. :-(

651. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-03 22:09:31 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <a5adne-ARdWBjC7TnZ2dnUVZ_rSdnZ2d@bright.net>
Source record: 611

On 11-3-2011 20:34, Geoffrey S. Mendelson wrote:
Aren't technicians
> permitted on 10m cw and ssb only?
>
> Geoff.
>

Correct. SSB only (American CB sets are AM unless it has SSB modes as well)....

USA Tech class emissions (10M) allowed are:
J3E Emission (AM, single sideband, suppressed carrier. Single analog channel. Telephony, voice, sound broadcasting.)

and R3E Emission (AM, single sideband, reduced or controlled carrier. Single analog channel. Telephony, voice, sound broadcasting.)

Designations can be found at
http://www.ominous-valve.com/emission.txt

N0EDV

652. BEST 10 HOT SEXY VIDEOS AND MASALA KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 00:36:15 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <cdd541b9-5ae8-4532-9ec1-c043f4ba4d5e@x8g2000yql.googlegroups.com>
Source record: 612

A TO Z INFORMATION SEE IN THIS SITE

http://atwoztopic.blogspot.com/

ALL HOT PHOTOS SUPER SEXY PHOTOS

http://alltoux.blogspot.com/2010/09/hot-lip-kiss-135.html

ALL JOBS SITES FREE SEE

http://jobstwo.blogspot.com/

HOT VIDEOS

http://hotvideotoou.blogspot.com/2011/01/kiss-videos.html

hot lip kiss
http://hotvidos.blogspot.com/2010/07/hot-lip-kiss.html
hot kisses
http://hotvidos.blogspot.com/2010/07/hot-kisses.html
hollywood hot videos
http://hotvidos.blogspot.com/2010/07/hollywood-hot-videos.html
real hot videos
http://hotvidos.blogspot.com/2010/07/real-hot-videos.html
tamil hot videos
http://hotvidos.blogspot.com/2010/07/tamil-hot-videos.html

653. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 02:43:35 UTC
From: philo <philo@privacy.not>
Message-ID: <tjlsq.19220$t37.834@newsfe14.iad>
Source record: 613

On 11/03/2011 12:59 PM, Padraigh ProAmerica wrote:
> Just acquired from an old lady her old CB transceiver. It's rather old;
> crystal controlled. Is it feasable to swap out the 27 MHz crystals and
> replace them with 10M crystals? Is there a source for these crystals?
> And would any major modifications to the rig be required?
>
> Any info would be appreciated (and yes, I hold a Technician class
> license).
>

Years ago I actually took an old CB set and bought a crystal for the
lower end of the CW band and used it as a cw transmitter.
Used my HQ-140-X receiver.

Worked fine. When the band was open I worked Japan on it
with an indoor whip antenna!

That was a long time ago and I forgot where I got the crystal
but it could not have been more than few bucks.

654. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 10:26:05 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <quadnVKrs5UjIC7TnZ2dnUVZ_qednZ2d@bright.net>
Source record: 614

On 11-4-2011 02:43, philo wrote:

>
>
>
> That was a long time ago and I forgot where I got the crystal
> but it could not have been more than few bucks.

Nowadays, a custom crystal could run over $20 from a crystal manufacturer, so if you need more than 1 or 2 crystals for the conversion, it's hardly worth it unless you are doing it because you like to tinker. Probably one of the easiest ways to get on 10M is to look for a used Ranger/RCI 10M rig or the Uniden HR-2510/2600 or even the Radio Shack 10M rig. For $75-150 you have a rig with 100 Hz tuning steps and 25-100W.

Here's a 2600 on eBay that is listed as non-working, but maybe only because the seller has no way to test it. At least one can see what it looks like, so if one comes across one at a hamfest...

http://www.ebay.com/itm/Uniden-HR2600-President-10-meter-tranceiver-radio-parts-lot-HR-2600-HR-2600-/160676316781?pt=LH_DefaultDomain_0&hash=item25690e066d

Radio Shack 10M rig
http://www.ebay.com/itm/HTX-10-Radio-Shack-10-meter-mobile-/200669429798?_trksid=p4340.m1374&_trkparms=algo%3DPI.WATCH%26its%3DC%252BS%26itu%3DUCC%26otn%3D15%26ps%3D63%26clkid%3D3954653112715236430

N0EDV

655. completely disabling AGC in Cobra 142 CB?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 12:08:51 UTC
From: Eric <eric4@anywhere.net>
Message-ID: <j90km5ahe1@dont-email.me>
Source record: 615

I have a need to completely disable the AGC circuit in a Cobra 142 GTL CB.
How would this be done please?

Thank you,
Eric

656. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 14:28:42 UTC
From: ogrowup@webtv.net
Message-ID: <4696-4EB3F69A-132@storefull-3171.bay.webtv.net>
Source record: 616

The earlier Radio Shack HTX-100 had a slightly better receiver (quieter)
and had CW as a mode- both different on the HTX-10.

--
"History is not a spectator sport."-- Dr. Bruce Freeberg --

657. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 14:36:53 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111041034550.22715@darkstar.example.net>
Source record: 617

On Thu, 3 Nov 2011, philo wrote:

> On 11/03/2011 12:59 PM, Padraigh ProAmerica wrote:
>> Just acquired from an old lady her old CB transceiver. It's rather old;
>> crystal controlled. Is it feasable to swap out the 27 MHz crystals and
>> replace them with 10M crystals? Is there a source for these crystals?
>> And would any major modifications to the rig be required?
>>
>> Any info would be appreciated (and yes, I hold a Technician class
>> license).
>>
>
>
> Years ago I actually took an old CB set and bought a crystal for the lower
> end of the CW band and used it as a cw transmitter.
> Used my HQ-140-X receiver.
>
>
> Worked fine. When the band was open I worked Japan on it
> with an indoor whip antenna!
>
THat's why all those Heathkit Sixers did so well, when the band opened up,
very little power was needed (of course, offset by the fact that the band
wasn't always open). Ten is the same way (though antennas are longer),
there was even that Hammarlund receiver with the CB transmitter built in,
that could easily be used on 10m.

Michael VE2BVW

658. Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 15:17:05 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <d0069b1e-2ecf-45b7-9411-fee53ff5d635@v8g2000vbe.googlegroups.com>
Source record: 618

I came by what appears to be a power supply module from some old
military gear. It uses a synchronous vibrator unless my analysis of
the circuit it way off. My plan is to build a circuit to replace the
vibrator with a couple of power FETs driven by a 555 osc and a bridge
rectfier to handle rectification of the output. I was wondering if
there were any circuit designs around before I started to reinvent the
wheel. Also what freqency do they use. Seems like I heard 100Hz at one
time but I dont trust my memory on something I learned 40 years ago.
Any help would be much appreciate.

Jimmie

659. Re: completely disabling AGC in Cobra 142 CB?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 15:37:02 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <76d5287d-d3c0-4b7a-a6a9-ba725452a09e@hv4g2000vbb.googlegroups.com>
Source record: 619

On Nov 4, 8:08 am, "Eric" <er...@anywhere.net> wrote:
> I have a need to completely disable the AGC circuit in a Cobra 142 GTL CB.
> How would this be done please?
>
> Thank you,
> Eric

Disabling AGC is usuallly required when working on the radio so most
maintenance books should have what you need for that particular radio.

Jimmie

660. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 19:37:00 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111041533390.23296@darkstar.example.net>
Source record: 620

On Fri, 4 Nov 2011, JIMMIE wrote:

> I came by what appears to be a power supply module from some old
> military gear. It uses a synchronous vibrator unless my analysis of
> the circuit it way off. My plan is to build a circuit to replace the
> vibrator with a couple of power FETs driven by a 555 osc and a bridge
> rectfier to handle rectification of the output. I was wondering if
> there were any circuit designs around before I started to reinvent the
> wheel. Also what freqency do they use. Seems like I heard 100Hz at one
> time but I dont trust my memory on something I learned 40 years ago.
> Any help would be much appreciate.
>

The earliest replacements would have been a couple of power transistors on a heatsink, with a few resistors and capacitors, relying on the existing transformer for feedback (and frequency control).

Of course a lot of early power inverters were about the same, save that they weren't built around a vibrator supply.

Look in forty year old ARRL Handbooks, I'm certain the 1971 edition (the first I ever saw) has a simple inverter that is on that level.

I'm sure some built fancier ones, but I'm sure many got by with something pretty simple. SOme small companies that deal in antique radios sell virbrator replacements.

Michael VE2BVW

661. Kepro Ultra-violet exposure frame for sale

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 20:40:14 UTC
From: Henry <wa0goz@arrl.net>
Message-ID: <j91ijfshi1@dont-email.me>
Source record: 621

I have a circuit board exposure frame for sale. $100 plus
postage from zip 55082. Payment in US$ in advance by check
or money order. Sorry, no Paypal. Unpackaged weight 35 lbs.

Kepro BTX-200 ultra-violet exposure frame.

Kepro Circuit Systems Inc

12 X 16 inch exposure area.

3 or 5 lamps. Manual or 0 - 5 minute timer.

It can be viewed at:

http://home.comcast.net/~hsknoll/site/?/photos/&PHPSESSID=29ec62ea0bf1fe4d25e318b011cf0bbf

or

http://tinyurl.com/yktwxpz click on photo to enlarge it.

If you are interested, please send me your zip code so I can figure shipping
costs.

Henry WA0GOZ

662. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 21:49:32 UTC
From: Howard Eisenhauer <howarde@NOSPAMhfx.eastlink.ca>
Message-ID: <bbn8b7he056hqjcbm9eig62q55qkklh65q@4ax.com>
Source record: 622

Non-sychronous solid state replacements are avaialble here-

http://www.tubesandmore.com/

in the "Radio parts & restoration" section, p/n P-V2015N

H.

On Fri, 4 Nov 2011 08:17:05 -0700 (PDT), JIMMIE
<JIMMIEDEE123@YAHOO.COM> wrote:

>I came by what appears to be a power supply module from some old
>military gear. It uses a synchronous vibrator unless my analysis of
>the circuit it way off. My plan is to build a circuit to replace the
>vibrator with a couple of power FETs driven by a 555 osc and a bridge
>rectfier to handle rectification of the output. I was wondering if
>there were any circuit designs around before I started to reinvent the
>wheel. Also what freqency do they use. Seems like I heard 100Hz at one
>time but I dont trust my memory on something I learned 40 years ago.
>Any help would be much appreciate.
>
>Jimmie

663. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 22:00:32 UTC
From: Dave M <dgminala4444@mediacombb.net>
Message-ID: <DZCdnaiznI4c_SnTnZ2dnUVZ_qqdnZ2d@giganews.com>
Source record: 623

Michael Black wrote:
> On Fri, 4 Nov 2011, JIMMIE wrote:
>
>> I came by what appears to be a power supply module from some old
>> military gear. It uses a synchronous vibrator unless my analysis of
>> the circuit it way off. My plan is to build a circuit to replace the
>> vibrator with a couple of power FETs driven by a 555 osc and a bridge
>> rectfier to handle rectification of the output. I was wondering if
>> there were any circuit designs around before I started to reinvent
>> the wheel. Also what freqency do they use. Seems like I heard 100Hz
>> at one time but I dont trust my memory on something I learned 40
>> years ago. Any help would be much appreciate.
>>
> The earliest replacements would have been a couple of power
> transistors on a heatsink, with a few resistors and capacitors,
> relying on the existing transformer for feedback (and frequency
> control).
> Of course a lot of early power inverters were about the same, save
> that they weren't built around a vibrator supply.
>
> Look in forty year old ARRL Handbooks, I'm certain the 1971 edition
> (the first I ever saw) has a simple inverter that is on that level.
>
> I'm sure some built fancier ones, but I'm sure many got by with
> something pretty simple. SOme small companies that deal in antique
> radios sell virbrator replacements.
>
> Michael VE2BVW

Yes, there are several schematics on the web for solid state vibrator replacements, but most are too simplistic and are prone to failure due to unsuppressed transients destroying the semiconductors.
There is one that appears to be a good design at http://antiqueradios.com/gallery/v/temp/VIBRA2.jpg.html. The component values are all indicated on the schematic. The circuit can be built into a salvaged vibrator can. Be sure to provide some method of heatsinking for the transistors. The only drawback that I can see with this circuit is the lack of "dead time", that is, a short time interval at the switching point to keep both transistors from conducting at the same time. A more involved design might be able to eliminate that problem.
This circuit is the one I would build if I were in need of a vibrator replacement.

--
David

dgminala at mediacombb dot net

664. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-04 22:06:24 UTC
From: Dave M <dgminala4444@mediacombb.net>
Message-ID: <3smdnTA_BP58_CnTnZ2dnUVZ_tOdnZ2d@giganews.com>
Source record: 624

Michael Black wrote:
> On Fri, 4 Nov 2011, JIMMIE wrote:
>
>> I came by what appears to be a power supply module from some old
>> military gear. It uses a synchronous vibrator unless my analysis of
>> the circuit it way off. My plan is to build a circuit to replace the
>> vibrator with a couple of power FETs driven by a 555 osc and a bridge
>> rectfier to handle rectification of the output. I was wondering if
>> there were any circuit designs around before I started to reinvent
>> the wheel. Also what freqency do they use. Seems like I heard 100Hz
>> at one time but I dont trust my memory on something I learned 40
>> years ago. Any help would be much appreciate.
>>
> The earliest replacements would have been a couple of power
> transistors on a heatsink, with a few resistors and capacitors,
> relying on the existing transformer for feedback (and frequency
> control).
> Of course a lot of early power inverters were about the same, save
> that they weren't built around a vibrator supply.
>
> Look in forty year old ARRL Handbooks, I'm certain the 1971 edition
> (the first I ever saw) has a simple inverter that is on that level.
>
> I'm sure some built fancier ones, but I'm sure many got by with
> something pretty simple. SOme small companies that deal in antique
> radios sell virbrator replacements.
>
> Michael VE2BVW

Here's a circuit that uses a digital gate to provide the "dead time" needed
to protect the transistors.
http://www.portabletubes.co.uk/sitefiles/ausbatt.htm

--
David
dgminala at mediacombb dot net

665. Re: CB to 10M conversion

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-07 00:10:43 UTC
From: philo <philo@privacy.not>
Message-ID: <8mFtq.20287$rF5.16097@newsfe19.iad>
Source record: 625

On 11/04/2011 09:36 AM, Michael Black wrote:
> On Thu, 3 Nov 2011, philo wrote:
>
>> On 11/03/2011 12:59 PM, Padraigh ProAmerica wrote:
>>> Just acquired from an old lady her old CB transceiver. It's rather old;
>>> crystal controlled. Is it feasable to swap out the 27 MHz crystals and
>>> replace them with 10M crystals? Is there a source for these crystals?
>>> And would any major modifications to the rig be required?
>>>
>>> Any info would be appreciated (and yes, I hold a Technician class
>>> license).
>>>
>>
>>
>> Years ago I actually took an old CB set and bought a crystal for the
>> lower end of the CW band and used it as a cw transmitter.
>> Used my HQ-140-X receiver.
>>
>>
>> Worked fine. When the band was open I worked Japan on it
>> with an indoor whip antenna!
>>
> THat's why all those Heathkit Sixers did so well, when the band opened
> up, very little power was needed (of course, offset by the fact that the
> band wasn't always open). Ten is the same way (though antennas are
> longer), there was even that Hammarlund receiver with the CB transmitter
> built in, that could easily be used on 10m.
>
>
> Michael VE2BVW

Don't know why but for whatever reason I still recall the HQ-105-TR

The xmtr was for the CB band but I am sure it could have been usable on
10 meters

Anyway, back in the old days 10 meter AM was great!

666. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-07 00:16:56 UTC
From: philo <philo@privacy.not>
Message-ID: <%rFtq.8528$zp4.6486@newsfe06.iad>
Source record: 626

On 11/04/2011 10:17 AM, JIMMIE wrote:
> I came by what appears to be a power supply module from some old
> military gear. It uses a synchronous vibrator unless my analysis of
> the circuit it way off. My plan is to build a circuit to replace the
> vibrator with a couple of power FETs driven by a 555 osc and a bridge
> rectfier to handle rectification of the output. I was wondering if
> there were any circuit designs around before I started to reinvent the
> wheel. Also what freqency do they use. Seems like I heard 100Hz at one
> time but I dont trust my memory on something I learned 40 years ago.
> Any help would be much appreciate.
>
> Jimmie

I believe that military equipment was 400 hz...

(if so, the xfmr would not be usable at 60hz)

If it's in working condition it would be easy enough to check.

667. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-07 07:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1320649501@panix.com>
Source record: 627
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

668. HOT SEXY VIDEOS CHECK IT FOR KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-08 01:21:06 UTC
From: bgfbfjgg ojdhdsd <uijsbhsbchsv@gmail.com>
Message-ID: <571c99f5-632d-4d43-8131-2d6c62ecfe3d@w20g2000prc.googlegroups.com>
Source record: 628

HOT VIDEOS
kiss videos
http://videosonblog.blogspot.com/2010/11/kiss-videos.html
bed room videos
http://videosonblog.blogspot.com/2010/11/bed-room-videos.html
masala videos
http://videosonblog.blogspot.com/2010/11/masala-videos.html
romantic videos
http://videosonblog.blogspot.com/2010/11/romantic-videos.html

HOT PHOTOS
PHOTOS
http://photostwo2u.blogspot.com/2010/09/photos.html
HOT HOT PHOTOS
http://photostwo2u.blogspot.com/2010/09/photos-2.html
SEXY PHOTOS
http://photostwo2u.blogspot.com/2010/09/photos-3.html

ALL INTERVIEW QUESTIONS

java interview questions
http://allinterviewsquestions.blogspot.com/2009/02/java-interview-questions.html
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http://allinterviewsquestions.blogspot.com/2009/02/oracle-interview-questions.html
hardware interview questions 4
http://allinterviewsquestions.blogspot.com/2009/02/hardware-interview-questions.html
SQL Server Interview Questions
http://allinterviewsquestions.blogspot.com/2009/02/sql-server-interview-questions.html
dotnet questions 3
http://allinterviewsquestions.blogspot.com/2009/02/dotnet-questions-3.html

669. HOT ACTRESS PHOTOS AND VIDEOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-08 14:04:06 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <81614775-f3bb-4778-a57c-8b19e432b33e@g27g2000pro.googlegroups.com>
Source record: 629

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

HOT KATRINA KAIF PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/katrina-kaif.html
AISHWARYA RAI HOT HQ PHOTO STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/aishwarya-rai.html
ASIN HOT PHOTO GALLERY
http://actressgallery-kalyani.blogspot.com/2011/09/asin.html
SAKUNI MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/10/sakuni-movie-stills.html
7TH SENSE MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/10/7th-sense-movie-stills.html
MOGUDU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/mogudu-movie-stills.html
HANSIKA MATOWNI LATEST HOT STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/hansika-motwani.html
KAJAL AGARWAL HOT PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/kajal-agarwal.html
TAMANNA SIRUTHAI HOT MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/siruthai-movie-stills.html
SNEHA HOT GOA MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/goa-movie-stills.html

FOR ONLY HOT GUYS SEE THIS
TRISHA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/trisha-hot.html
TAMANNA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/tamanna-hot.html
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/priyamani-hot.html
KAJAL AGARWAL LATEST HOT WITHOUT TOP
http://hotactress-kalyani.blogspot.com/2011/08/kajal-agarwal-hot-photos.html
SAMANTHA LATEST HOT STILLS
http://hotactress-kalyani.blogspot.com/2011/09/samantha-hot.html
SNEHA ULLAL HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/sneha-ullal-hot.html
ANJALI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/anjali-hot.html
HANSIKA MOTWANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/hansika-motwani-hot.html
PRANITHA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/pranitha-hot.html
HOT KATRINAKAIF WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/08/katrina-kaif-hot.html

HOT MALLU ACTRESS BHAMA
http://hotactress-kalyani.blogspot.com/2011/09/bhama-hot.html
TOLLYWOOD HOT ACTRESSES
http://hotactress-kalyani.blogspot.com/2011/08/hot-actrsess.html
SONAKSHI SINHA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/sonakshi-sinha-hot.html
PRIYANKA CHOPRA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/priyanka-chopra-hot.html
LATEST AMISHA PATEL HOT PICS
http://hotactress-kalyani.blogspot.com/2011/08/amisha-patel-hot.html
TAPSEE DIFFERENT STILLS
http://hotactress-kalyani.blogspot.com/2011/08/tapsee-hot.html

670. seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-10 07:21:34 UTC
From: davidmylastname@acm.org
Message-ID: <j9fu1u$12f$1@frotz.eternal-september.org>
Source record: 630

Is there such thing as a modern databook or catalog of
currently-produced vacuum tubes? I'm tinkering with the idea of making
a modern tube broadcast AM receiver that I can run all the time without
thinking "gee, I'm going to pay through the nose for more tubes when the
time comes".

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

671. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-10 14:49:56 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <j9goal$j1r$1@dont-email.me>
Source record: 631

On 10/11/11 07:21, David Griffith wrote:
> Is there such thing as a modern databook or catalog of
> currently-produced vacuum tubes? I'm tinkering with the idea of making
> a modern tube broadcast AM receiver that I can run all the time without
> thinking "gee, I'm going to pay through the nose for more tubes when the
> time comes".
>
==========
The data sheets of most currently-produces vacuum tubes can be found on
the Internet .Just type into your favourite search engine :
vacuum tube <model nr>
Nowadays most info on whatever is available on-line.

Good Luck with your (future) home-brew receiver.

Frank GM0CSZ / KN6WH

672. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-10 15:30:15 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111101025040.32336@darkstar.example.net>
Source record: 632

On Thu, 10 Nov 2011, David Griffith wrote:

> Is there such thing as a modern databook or catalog of
> currently-produced vacuum tubes? I'm tinkering with the idea of making
> a modern tube broadcast AM receiver that I can run all the time without
> thinking "gee, I'm going to pay through the nose for more tubes when the
> time comes".
>
Pick a popular tube and build around it.

Was it the Conar receiver that used only 6U8s? Something like that, which of course has the advantage of not requiring a bunch of different tubes.

A double triode is bound to be easy to get still, they were so common. A 7360 was too exotic, it didn't appear in any consumer equipment (though that sort of tube did appear in some tv sets, though I'm not sure enough that decades later there'd be a lot of stock).

It's interesting to contrast tubes with semiconductors. With tubes, one tried to minimize the number of active elements, since they used up so much power (in the filament) and space. With transistors, and even more so with ICs, each stage could have loads of active devices, it was a different method of design, allowed because the transistors were small and low power. So a dual triode for instance, might seem lacking, but what could you build if you were willing to use multiple tubes per stage?

Michael VE2BVW

673. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-11 15:47:33 UTC
From: philo <philo@privacy.not>
Message-ID: <psbvq.31062$vg7.12114@newsfe04.iad>
Source record: 633

On 11/10/2011 01:21 AM, David Griffith wrote:
> Is there such thing as a modern databook or catalog of
> currently-produced vacuum tubes? I'm tinkering with the idea of making
> a modern tube broadcast AM receiver that I can run all the time without
> thinking "gee, I'm going to pay through the nose for more tubes when the
> time comes".
>

just put "vacuum tube catalog" into a Google search

plenty of hits

674. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-11 18:22:04 UTC
From: davidmylastname@acm.org
Message-ID: <j9jp4cfn1@frotz.eternal-september.org>
Source record: 634

Michael Black <et472@ncf.ca> wrote:
> On Thu, 10 Nov 2011, David Griffith wrote:

>> Is there such thing as a modern databook or catalog of
>> currently-produced vacuum tubes? I'm tinkering with the idea of making
>> a modern tube broadcast AM receiver that I can run all the time without
>> thinking "gee, I'm going to pay through the nose for more tubes when the
>> time comes".
>>
> Pick a popular tube and build around it.

> Was it the Conar receiver that used only 6U8s? Something like that, which
> of course has the advantage of not requiring a bunch of different tubes.

> A double triode is bound to be easy to get still, they were so common. A
> 7360 was too exotic, it didn't appear in any consumer equipment (though
> that sort of tube did appear in some tv sets, though I'm not sure enough
> that decades later there'd be a lot of stock).

Double triodes, particularly 12ax7, I see are currently manufactured and
easily available. Can a superheterodyne receiver be made from just
that? Anyone have any useful schematics?

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

675. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-11 23:35:15 UTC
From: Bill M <radioexray@geeeemail.com>
Message-ID: <j9kbg001gj4@news1.newsguy.com>
Source record: 635

David Griffith wrote:
> Michael Black <et472@ncf.ca> wrote:
>> On Thu, 10 Nov 2011, David Griffith wrote:
>
>>> Is there such thing as a modern databook or catalog of
>>> currently-produced vacuum tubes? I'm tinkering with the idea of making
>>> a modern tube broadcast AM receiver that I can run all the time without
>>> thinking "gee, I'm going to pay through the nose for more tubes when the
>>> time comes".
>
> Double triodes, particularly 12ax7, I see are currently manufactured and
> easily available. Can a superheterodyne receiver be made from just
> that? Anyone have any useful schematics?
>
I think you are headed in the wrong direction. You can build a nice
superhet based on the original designs from the 40s and 50s in the RCA
tube manual. All of these tubes are still very common, not expensive,
and available as NOS.

There was a fellow, I think his name was Bob DeRocca, who published a
refined 8-tube superhet on the rar+p group. Might be able to dig up
those threads via Google Groups search. I saved the schematic but have
no idea what filename I saved it under!

-Bill

676. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-12 08:30:04 UTC
From: davidmylastname@acm.org
Message-ID: <j9laqcece1@frotz.eternal-september.org>
Source record: 636

Bill M <radioexray@geeeemail.com> wrote:
> David Griffith wrote:
>> Michael Black <et472@ncf.ca> wrote:
>>> On Thu, 10 Nov 2011, David Griffith wrote:
>>
>>>> Is there such thing as a modern databook or catalog of
>>>> currently-produced vacuum tubes? I'm tinkering with the idea of making
>>>> a modern tube broadcast AM receiver that I can run all the time without
>>>> thinking "gee, I'm going to pay through the nose for more tubes when the
>>>> time comes".
>>
>> Double triodes, particularly 12ax7, I see are currently manufactured and
>> easily available. Can a superheterodyne receiver be made from just
>> that? Anyone have any useful schematics?
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> I think you are headed in the wrong direction. You can build a nice
> superhet based on the original designs from the 40s and 50s in the RCA
> tube manual. All of these tubes are still very common, not expensive,
> and available as NOS.

> There was a fellow, I think his name was Bob DeRocca, who published a
> refined 8-tube superhet on the rar+p group. Might be able to dig up
> those threads via Google Groups search. I saved the schematic but have
> no idea what filename I saved it under!

I think what I'm trying to accomplish is establishing some sort of
barrier against the inevitable day when the supply of good cheap tubes
is gone and what we're left with is mostly guitar amp tubes.

I found a Bob LeRocca on rar+p who appears to be the one you're talking
about, but I can't seem to locate any mention of an 8-tube superhet.
I'll stick my head in there and see if anyone remembers this.

Still, my question remains: can one build a decent superhet radio out of
nothing but 12ax7 dual triodes?

--
David Griffith
davidmylastname@acm.org <--- Put my last name where it belongs

677. uae of mimic citcuits as post mixer amps.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-12 10:01:56 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F9BEA4B1B3B0crite40@216.196.97.131>
Source record: 637

Anyone had experience of using mimic's as post diode balanced mixer
amplifiers?
In theory they look OK, 50 Ohms in and out and good high level signal
handling. This is to be for a 45 MHz first IF.
Cliff Wright ZL1BDA

678. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-12 10:08:45 UTC
From: clifford wright <c.c.wright@paradise.net.nz>
Message-ID: <Xns9F9BEB733F2FDcrite40@216.196.97.131>
Source record: 638

philo <philo@privacy.not> wrote in news:%rFtq.8528$zp4.6486@newsfe06.iad:

> On 11/04/2011 10:17 AM, JIMMIE wrote:
>> I came by what appears to be a power supply module from some old
>> military gear. It uses a synchronous vibrator unless my analysis of
>> the circuit it way off. My plan is to build a circuit to replace the
>> vibrator with a couple of power FETs driven by a 555 osc and a bridge
>> rectfier to handle rectification of the output. I was wondering if
>> there were any circuit designs around before I started to reinvent the
>> wheel. Also what freqency do they use. Seems like I heard 100Hz at one
>> time but I dont trust my memory on something I learned 40 years ago.
>> Any help would be much appreciate.
>>
>> Jimmie
>
>
> I believe that military equipment was 400 hz...
>
> (if so, the xfmr would not be usable at 60hz)
>
> If it's in working condition it would be easy enough to check.
>
>
>

Well the 400 Hz is a bit odd for a vibrator pack.
Are you sure that the supply wasn't designed for 400Hz AC?
That could be explained by use in Aircraft where 400HZ supply
is quite common. Most mechanical vibrators actually do run at
about 100 Hz. I have built solid state replacement for several
and they all had that in common.
Of course the builder could have used a 400 Hz transformer, but that
wouldn't match a normal vibrator at all.
BTW the old Marconi spark transmitters (like on the Titanic) used a 400HZ
tuned keying relay to protect the operator. Just like a modern zero
crossing switch!
Cliff wright ZL1BDA ex G3NIA

679. Re: uae of mimic citcuits as post mixer amps.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-12 13:29:06 UTC
From: Doug White <gwhite@alum.mit.edu>
Message-ID: <Xns9F9B56556729Bgwhitealummitedu@69.16.186.7>
Source record: 639

clifford wright <c.c.wright@paradise.net.nz> wrote in
news:Xns9F9BEA4B1B3B0crite40@216.196.97.131:

> Anyone had experience of using mimic's as post diode balanced mixer
> amplifiers?
> In theory they look OK, 50 Ohms in and out and good high level signal
> handling. This is to be for a 45 MHz first IF.
> Cliff Wright ZL1BDA

Assuming you have a decent filter after the mixer to extract the band you want, the MMIC amps work fine. However, I'd be wary of any recent Avago parts. The data sheets can be very inaccurate, and the parts may not behave as advertised. I've had very good luck with NEC, and a lot of MiniCircuits amps are decent as well. RFMD also has some nice parts. The Avago parts that were actually designed when they were Agilent (or better yet HP) are also good. If the parts are advertised as 50 Ohms in & 50 Ohms out, there is a lot less to go wrong. The ones that require custom matching networks take more care to get running right because of circuit & component parasitics.

Doug White

680. Re: uae of mimic citcuits as post mixer amps.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-12 14:36:56 UTC
From: Scott <acepilotREMOVE@bloomer.net>
Message-ID: <fOydnU2DNsUUGSPTnZ2dnUVZ_uWdnZ2d@bright.net>
Source record: 640

On 11-12-2011 13:29, Doug White wrote:
> clifford wright<c.c.wright@paradise.net.nz> wrote in
> news:Xns9F9BEA4B1B3B0crite40@216.196.97.131:
>
>> Anyone had experience of using mimic's as post diode balanced mixer
>> amplifiers?
>> In theory they look OK, 50 Ohms in and out and good high level signal
>> handling. This is to be for a 45 MHz first IF.
>> Cliff Wright ZL1BDA
>
> Assuming you have a decent filter after the mixer to extract the band you
> want, the MMIC amps work fine. However, I'd be wary of any recent Avago
> parts. The data sheets can be very inaccurate, and the parts may not
> behave as advertised. I've had very good luck with NEC, and a lot of
> MiniCircuits amps are decent as well. RFMD also has some nice parts. The
> Avago parts that were actually designed when they were Agilent (or better
> yet HP) are also good. If the parts are advertised as 50 Ohms in& 50 Ohms
> out, there is a lot less to go wrong. The ones that require custom
> matching networks take more care to get running right because of circuit&
> component parasitics.
>
> Doug White

When using the MiniCircuit MMICs, I recommend using the "optional" choke between the device and its biasing resistor (as shown on device datasheets). Without it, you can lose a few dB of gain. The value is not critical. At 45 MHz, 5 or 6 turns through a VHF ferrite bead should be enough. The MAR-4 is a decent choice unless you need more gain or output level. The datasheets show gain and max power out (P1dB)...if you want it to be linear, stay below that point. If you know the level at 45 MHz and the level you want out of the MMIC, you can place a simple resistive PI or T attenuator between your 45 MHz source and the MMIC, then the output of the MMIC would be the level arriving at the MMIC plus it's associated gain.
http://www.minicircuits.com

N0EDV

681. Re: uae of mimic citcuits as post mixer amps.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-13 08:52:42 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <6f2dbcdb-5955-400c-af0e-58774bca1b7f@o5g2000yqa.googlegroups.com>
Source record: 641

On Nov 12, 2:01 pm, clifford wright <c.c.wri...@paradise.net.nz>
wrote:
> Anyone had experience of using mimic's as post diode balanced mixer
> amplifiers?
> In theory they look OK, 50 Ohms in and out and good high level signal
> handling. This is to be for a 45 MHz first IF.
> Cliff Wright ZL1BDA

Hello.
I'm succesfully use M/A-COM MAAMSS0017 and MCL GALI-6F.
Very important element is a 2 dB attenuator (for example, "T" of 5.6,
220 and 5.6 OHms) before XTAL filters.

682. Re: uae of mimic citcuits as post mixer amps.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-13 09:03:13 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <09a1250e-1b3a-450b-9f93-91ef1b612b31@s5g2000vbe.googlegroups.com>
Source record: 643

> you can place a simple
> resistive PI or T attenuator between your 45 MHz source and the MMIC,
> then the output of the MMIC would be the level arriving at the MMIC plus
> it's associated gain.http://www.minicircuits.com

Is a bad idea... attenuatr before MMIC increase NF receiever.

683. Re: uae of mimic citcuits as post mixer amps.

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-13 09:10:16 UTC
From: genadiz <mgs2001@pochtamt.ru>
Message-ID: <bfa192f6-65be-474b-9067-635a9c57fab7@o9g2000vbc.googlegroups.com>
Source record: 642

If you know the level
> at 45 MHz and the level you want out of the MMIC, you can place a simple
> resistive PI or T attenuator between your 45 MHz source and the MMIC,
> then the output of the MMIC would be the level arriving at the MMIC plus
> it's associated gain.http://www.minicircuits.com
>
> N0EDV

Is a bad idea. Atttenuation before MMIC invrease NF of receiever.

684. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-17 02:17:36 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <ja1qs2$7bm$1@dont-email.me>
Source record: 644

On 11/12/2011 03:30 AM, David Griffith wrote:
> Bill M<radioexray@geeeemail.com> wrote:
>> David Griffith wrote:
>>> Michael Black<et472@ncf.ca> wrote:
>>>> On Thu, 10 Nov 2011, David Griffith wrote:
>>>
>>>>> Is there such thing as a modern databook or catalog of
>>>>> currently-produced vacuum tubes? I'm tinkering with the idea of making
>>>>> a modern tube broadcast AM receiver that I can run all the time without
>>>>> thinking "gee, I'm going to pay through the nose for more tubes when the
>>>>> time comes".
>>>
>>> Double triodes, particularly 12ax7, I see are currently manufactured and
>>> easily available. Can a superheterodyne receiver be made from just
>>> that? Anyone have any useful schematics?
>>>
>> I think you are headed in the wrong direction. You can build a nice
>> superhet based on the original designs from the 40s and 50s in the RCA
>> tube manual. All of these tubes are still very common, not expensive,
>> and available as NOS.
>
>> There was a fellow, I think his name was Bob DeRocca, who published a
>> refined 8-tube superhet on the rar+p group. Might be able to dig up
>> those threads via Google Groups search. I saved the schematic but have
>> no idea what filename I saved it under!
>
> I think what I'm trying to accomplish is establishing some sort of
> barrier against the inevitable day when the supply of good cheap tubes
> is gone and what we're left with is mostly guitar amp tubes.
>
> I found a Bob LeRocca on rar+p who appears to be the one you're talking
> about, but I can't seem to locate any mention of an 8-tube superhet.
> I'll stick my head in there and see if anyone remembers this.
>
> Still, my question remains: can one build a decent superhet radio out of
> nothing but 12ax7 dual triodes?
>
At least for the BCB yes, though the AVC control ability of the 12AX7 is
questionable. For the IF stage use both haves of the tube connected in
series with the first section as a common cathode amp and the second
section as a cathode driven amp (common grid, NOT grounded grid as the
second section grid is grounded for RF via a capacitor and is connected
via a resistor to the plate of the first section). For the converter
stage the two sections are again in series, the lower section is a

Hartley oscillator (cathode to tapped coil) and the upper section is the mixer, grid connected via a resistor to the plate of the lower section and cap coupled to the antenna coil. Use one section of a 12aX7 diode connected as the detector (or as a triode infinite impedance type detector). One or two triodes as a phase inverter driving (get this) 4 or 6 12AX7's in a zero bias class B push pull parallel amp (should be good for a couple of watts).

685. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-18 18:13:38 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111181302430.5566@darkstar.example.net>
Source record: 645

On Wed, 16 Nov 2011, Kenneth Scharf wrote:

>>
>> Still, my question remains: can one build a decent superhet radio out of
>> nothing but 12ax7 dual triodes?
>>
> At least for the BCB yes, though the AVC control ability of the 12AX7 is
> questionable. For the IF stage use both haves of the tube connected in
> series with the first section as a common cathode amp and the second section
> as a cathode driven amp (common grid, NOT grounded grid as the second section
> grid is grounded for RF via a capacitor and is connected via a resistor to
> the plate of the first section). For the converter stage the two sections
> are again in series, the lower section is a Hartley oscillator (cathode to
> tapped coil) and the upper section is the mixer, grid connected via a
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> coil. Use one section of a 12aX7 diode connected as the detector (or as a
> triode infinite impedance type detector). One or two triodes as a phase
> inverter driving (get this) 4 or 6 12AX7's in a zero bias class B push pull
> parallel amp (should be good for a couple of watts).
>
Don't you mean a cascode for the IF amp?

You could get fancy. A dual-triode as a balanced mixer. A similar
arrangement for the IF stages, in the IC world the differential amplifier
is pretty common, and one reason seems to be the ability to control gain.
Have a balanced mixer as the detector, and feed the "bfo" input with the
incoming signal via a limiter.

The reality is, people have pretty much followed what came before. Once
in a while someone comes along with something "radically" different and
then there's another period of following along.

So the solid stated direct conversion receiver came along (the concept
existed before solid state, but I don't think "direct conversion" was used
before that 1968 article by Hayward. So instead of building regens, direct
conversion receivers were commonplace, despite the limitations. It took
some time before someone realized a better mixer would help, endless
articles about better mixers. It took almost 20 years from that Hayward
article before someone really started building good direct conversion
receivers, Roy Llewellyn using a diode DBM but actually
terminating it properly (somehing done in VHF converters and I think by
then in ham receivers for the first mixer, but not migrated to direct
conversion receivers until about 1985 or so). Then Gary Breed extended
the concept, adding phasing (not a new concept, not even to direct
conversion receivers, but still a leap forward) followed by Rick

Campbell's various works on the subject.

Somewhere in there, superhets came back, because suddenly everyon was writing about crystal ladder filters. They'd been around before the full wave hit, but something happened to cause a turn. And with cheap filters, the superhet became inexpensive again, and actually simpler than some of those fancier direct conversion receivers (though often their complications came in the audio section).

It's hard to stretch the limits, but somehow and sometime, it happens, and then there's some new development, followed by it becoming the status quo, until someone stretches things again.

Michael VE2BVW

686. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-19 16:25:20 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <13cbc326-ade0-4ab9-a8ac-ab44e4cdb0ba@m19g2000yqh.googlegroups.com>
Source record: 647

Hey OM:

Why buy tubes when you can roll your own:
Yup I seen it on youtube sum youtuber has a video how to make a
triode, like 1/2 of a 12AX7.

73 OT,
de n8zu

On Nov 10, 2:21 am, davidmylastn...@acm.org (David Griffith) wrote:
> Is there such thing as a modern databook or catalog of
> currently-produced vacuum tubes? I'm tinkering with the idea of making
> a modern tube broadcast AM receiver that I can run all the time without
> thinking "gee, I'm going to pay through the nose for more tubes when the
> time comes".
>
> --
> David Griffith
> davidmylastn...@acm.org   <--- Put my last name where it belongs

687. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-19 16:39:14 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <5d441b21-36e3-4998-91af-8a6d4caa4fcd@w7g2000yqc.googlegroups.com>
Source record: 646

Hey OM:

Yes you can use only 12AX7's, you might need to cascode them to reduce
the miller effect so the disadvantage would be you are going to use
twice as many tubes.
There's lots of audio circuits out there, but for RF you would have to
use a 12AT7 the input capacitance of normal 12AX7's sux big time
unless you go thru a bunch of them and find sum hot 12AX7's
In the old days we used 12AT7's in garage door opener receivers they
used the low power band in the low end of VHF before it went away.
They were made here in Detroit by VEMCO.

HF band should be no problem, see this link on miller effect of
12AX7's:

http://www.aikenamps.com/MillerCapacitance.html

>
> Still, my question remains: can one build a decent superhet radio out of
> nothing but 12ax7 dual triodes?
>
> --
> David Griffith
> davidmylastn...@acm.org   <--- Put my last name where it belongs

688. just came across this

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-20 12:43:25 UTC
From: philo <philo@privacy.not>
Message-ID: <NB6yq.28926$t37.12268@newsfe14.iad>
Source record: 648

http://www.nytimes.com/2011/11/20/nyregion/leeds-radio-is-a-haven-for-lovers-of-all-things-analog.html?_r=1

689. Looking for pages from Oct 1947 CQ magazine

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-21 03:13:24 UTC
From: "Myron A. Calhoun" <mcalhoun@sdf.org>
Message-ID: <jacfkk$h7h$1@odin.sdf-eu.org>
Source record: 649

While cleaning out an old file, I found pages 25/26 of the October,
1947, issue of CQ Magazine which STARTS the description of the
"Construction and theory of operation of a two-tube audio amplifier".
Unfortunately, the schematic is NOT on those first two pages.

If someone who has that particular issue could scan the
REST of that article and email it to

< W0PBV at ARRL dot net >

I would greatly appreciate it.

--W0PBV

690. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-21 16:20:15 UTC
From: JIMMIE <JIMMIEDEE123@YAHOO.COM>
Message-ID: <c539eb23-8dbb-43c8-bb8a-922895741449@m10g2000vbc.googlegroups.com>
Source record: 650

On Nov 12, 5:08 am, clifford wright <c.c.wri...@paradise.net.nz>
wrote:
> philo <ph...@privacy.not> wrote innews:%rFtq.8528$zp4.6486@newsfe06.iad:
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> > On 11/04/2011 10:17 AM, JIMMIE wrote:
> >> I came by what appears to be a power supply module from some old
> >> military gear. It uses a synchronous vibrator unless my analysis of
> >> the circuit it way off. My plan is to build a circuit to replace the
> >> vibrator with a couple of power FETs driven by a 555 osc and a bridge
> >> rectfier to handle rectification of the output. I was wondering if
> >> there were any circuit designs around before I started to reinvent the
> >> wheel. Also what freqency do they use. Seems like I heard 100Hz at one
> >> time but I dont trust my memory on something I learned 40 years ago.
> >> Any help would be much appreciate.
>
> >> Jimmie
>
> > I believe that military equipment was 400 hz...
>
> > (if so, the xfmr would not be usable at 60hz)
>
> > If it's in working condition it would be easy enough to check.
>
> Well the 400 Hz is a bit odd for a vibrator pack.
> Are you sure that the supply wasn't designed for 400Hz AC?
> That could be explained by use in Aircraft where 400HZ supply
> is quite common. Most mechanical vibrators actually do run at
> about 100 Hz. I have built solid state replacement for several
> and they all had that in common.
> Of course the builder could have used a 400 Hz transformer, but that
> wouldn't match a normal vibrator at all.
> BTW the old Marconi spark transmitters (like on the Titanic) used a 400HZ
> tuned keying relay to protect the operator. Just like a modern zero
> crossing switch!
> Cliff wright ZL1BDA ex G3NIA

Clifford, would you share schematic of the one you built. Im using my function generator to drive a flip-flop to drive a pair of power FETs. Seems to be working but I would like to see someone elses design. BTW this thing seems to work from 50 to 500 HZ. There is also a winding on it that may be an input to run it off the mains. Not sure of that yet as I have never seen one before.

Jimmie

691. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-21 23:03:34 UTC
From: Howard Eisenhauer <howarde@NOSPAMhfx.eastlink.ca>
Message-ID: <f4mlc7h5amttng8r6rl3edlothlbf82p63@4ax.com>
Source record: 501

NOS vibrators are avaialble from Leeds Radio-

http://leedsradio.com/parts-odds.html

H.

692. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-22 00:34:51 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111211934320.5026@darkstar.example.net>
Source record: 502

On Mon, 21 Nov 2011, Howard Eisenhauer wrote:

> NOS vibrators are avaialble from Leeds Radio-
>
> http://leedsradio.com/parts-odds.html
>

Hey, weren't they just featured in the New York Times?

Michael VE2BVW

693. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-22 08:55:51 UTC
From: philo <philo@privacy.not>
Message-ID: <ssJyq.30226$pt2.4465@newsfe18.iad>
Source record: 503

```
On 11/21/2011 06:34 PM, Michael Black wrote:
> On Mon, 21 Nov 2011, Howard Eisenhauer wrote:
>
>> NOS vibrators are avaialble from Leeds Radio-
>>
>> http://leedsradio.com/parts-odds.html
>>
> Hey, weren't they just featured in the New York Times?
>
> Michael VE2BVW
>

Yes, I posted the link here a few days ago
```

694. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-23 02:17:30 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <jahl3u$3dj$1@dont-email.me>
Source record: 504

On 11/18/2011 01:13 PM, Michael Black wrote:
>
> So the solid stated direct conversion receiver came along (the concept
> existed before solid state, but I don't think "direct conversion" was
> used before that 1968 article by Hayward.
Actually there WAS a direct conversion receiver in QST in the 60's that
used two 6BY7's in a balanced mixer with a B&W #350 2Q4 phase shift
network. It was actually a single sideband receiver as the detector was
an image reject mixer.

> Michael VE2BVW
>
>

695. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-23 10:04:10 UTC
From: raypsi <rborowiak@gmail.com>
Message-ID: <a5d13530-6d7c-4e45-8cfe-3e97bbad2b9e@q9g2000yqe.googlegroups.com>
Source record: 505

On Nov 4, 11:17 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> I came by what appears to be a power supply module from some old
> military gear. It uses a synchronous vibrator unless my analysis of
> the circuit it way off. My plan is to build a circuit to replace the
> vibrator with a couple of power FETs driven by a 555 osc and a bridge
> rectfier to handle rectification of the output. I was wondering if
> there were any circuit designs around before I started to reinvent the
> wheel. Also what freqency do they use. Seems like I heard 100Hz at one
> time but I dont trust my memory on something I learned 40 years ago.
> Any help would be much appreciate.
>
> Jimmie

Hey OM:

Don't use a 555 use a TL494. A 555 has no control of the leading and
trailing edge of the so called square wave. /while one FET is going
off the other FET will come on. Towit the off time of most power FET's
is longer that the on time, thus the FET that you want to turn off
will still be on when the FET that you want on comes on thus for a
time both FET's will be on. Been there done that.

All you need is a power FET bridge, 4 FET drivers and the controller.

back in the day we used to make our own vibrator supplies , and now
with neo magnets out there I can keep the arcing down to nothing and
Suppressor diodes to keep the spikes down, the diodes and magnets they
didn't use back in the day 'cause they were to costly, all they could
use was buffer capacitors.

73 OM
de n8zu

696. Re: Vibrator power supply

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-24 07:29:39 UTC
From: coffelt2 <coffelt2@comcast.net>
Message-ID: <NbCdndOuHMz0b1DTnZ2dnUVZ5s-dnZ2d@giganews.com>
Source record: 506

"raypsi" <rborowiak@gmail.com> wrote in message
news:a5d13530-6d7c-4e45-8cfe-3e97bbad2b9e@q9g2000yqe.googlegroups.com...
On Nov 4, 11:17 am, JIMMIE <JIMMIEDEE...@YAHOO.COM> wrote:
> I came by what appears to be a power supply module from some old
> military gear. It uses a synchronous vibrator unless my analysis of
> the circuit it way off. My plan is to build a circuit to replace the
> vibrator with a couple of power FETs driven by a 555 osc and a bridge
> rectfier to handle rectification of the output. I was wondering if
> there were any circuit designs around before I started to reinvent the
> wheel. Also what freqency do they use. Seems like I heard 100Hz at one
> time but I dont trust my memory on something I learned 40 years ago.
> Any help would be much appreciate.
>
> Jimmie

A lot of old marine electronics used 60Hz vibrators that worked well
with
transformers designed for 60Hz service. Some of those transformers
actually had primary windings or taps on the primary windings that
matched common 117vac, 60Hz supplies.
Although the cheap, crimped cans (on the vibrators) was ugly to open,
they could be opened and the vibrator repaired. Most had burned or
welded closed points. The points were often good for one or two
filings or dressings before the point of no return. Putting the can back
on was a little messy, but hey, beauty was not usually important.

Old Chief Lynn, W7LTQ

697. Re: seeking modern catalog of vacuum tubes

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-25 22:01:14 UTC
From: Kenneth Scharf <wa2mze@bellsouth.net>
Message-ID: <jap37hipu1@dont-email.me>
Source record: 507

On 11/19/2011 11:25 AM, raypsi wrote:
> Hey OM:
>
> Why buy tubes when you can roll your own:
> Yup I seen it on youtube sum youtuber has a video how to make a
> triode, like 1/2 of a 12AX7.
>
> 73 OT,
> de n8zu
>
>
>
>
> On Nov 10, 2:21 am, davidmylastn...@acm.org (David Griffith) wrote:
>> Is there such thing as a modern databook or catalog of
>> currently-produced vacuum tubes? I'm tinkering with the idea of making
>> a modern tube broadcast AM receiver that I can run all the time without
>> thinking "gee, I'm going to pay through the nose for more tubes when the
>> time comes".
>>
>> --
>> David Griffith
>> davidmylastn...@acm.org<--- Put my last name where it belongs
>
sure if you happen to have some glass blowing equipment along with a
spot welder, vacuum pump, rf induction heater, blow torches, etc ....

698. NEED ICOM STUFF

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-26 05:32:47 UTC
From: justme <jbleaux@gmail.com>
Message-ID: <gfu0d7tcag780ufoj3c722l4ls197lovvl@4ax.com>
Source record: 508

Hi,

I would like to buy anything related to Icom 745/751 radios, parts,
too, even the radio itself
working or not.

Thank you.

jbleaux@gmail.com

699. proper tying of guys and antenna support rope?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-27 15:21:44 UTC
From: Radiohouse <radiohouse@nowhere.net>
Message-ID: <jatkiavvl1@dont-email.me>
Source record: 509

Just put up a 80 meter dipole today, but had some difficulty with two things: proper tying off of the lift/ support rope and proper tying off of the guys. When I say "support rope" here's what I mean: one side of the dipole was anchored high in a tree while the other from a 30' telephone pole. The tree had a pulley installed, so the "support rope" hangs down from there as well as the eye bolt from the telephone pole (support rope through the eye bolt). So, I'm not sure where or how to tie the support rope ends. Right now, on the tree side, I just have several turns around a low branch with a knot; basically the same with the telephone pole side. What is the proper way to secure the base of the supoort rope?

How do I tie the guy wires?

Thanks for any help.

700. Re: proper tying of guys and antenna support rope?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-27 22:00:23 UTC
From: philo <philo@privacy.not>
Message-ID: <XpyAq.3064$r52.655@newsfe03.iad>
Source record: 510

On 11/27/2011 09:21 AM, Radiohouse wrote:
> Just put up a 80 meter dipole today, but had some difficulty with two
> things: proper tying off of the lift/ support rope and proper tying off of
> the guys. When I say "support rope" here's what I mean: one side of the
> dipole was anchored high in a tree while the other from a 30' telephone
> pole. The tree had a pulley installed, so the "support rope" hangs down
> from there as well as the eye bolt from the telephone pole (support rope
> through the eye bolt). So, I'm not sure where or how to tie the support
> rope ends. Right now, on the tree side, I just have several turns around a
> low branch with a knot; basically the same with the telephone pole side.
> What is the proper way to secure the base of the supoort rope?
>
> How do I tie the guy wires?
>
> Thanks for any help.
>

Is the "telephone" pole your own property
or that of the utility company.

If it belongs to the utility company,
your dipole will be considered a hazard and removed.

701. Re: proper tying of guys and antenna support rope?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-27 22:12:54 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <jaucl7$4ua$1@dont-email.me>
Source record: 511

On 27/11/11 15:21, Radiohouse wrote:
> Just put up a 80 meter dipole today, but had some difficulty with two
> things: proper tying off of the lift/ support rope and proper tying off of
> the guys. When I say "support rope" here's what I mean: one side of the
> dipole was anchored high in a tree while the other from a 30' telephone
> pole. The tree had a pulley installed, so the "support rope" hangs down
> from there as well as the eye bolt from the telephone pole (support rope
> through the eye bolt). So, I'm not sure where or how to tie the support
> rope ends. Right now, on the tree side, I just have several turns around a
> low branch with a knot; basically the same with the telephone pole side.
> What is the proper way to secure the base of the supoort rope?
>
> How do I tie the guy wires?
>
> Thanks for any help.
>
==========
The pulley is fine .Hang a brick or 2 or more fixed to the support rope
(the one running through the pully)
With the tree moving when it is windy ,the brick(s) keep(s) the dipole
nicely stretched while possibly bobbing up and down a bit.

At our local radio club 2 wire dipoles are each suspended in between the
branches of 2 trees , having a pulley and a hanging brick on both trees.
Whereas here in the north of Scotland it can be veeeery windy the above
setup is working well ;we never had a broken dipole.

Frank GM0CSZ / KN6WH

702. Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-28 15:44:18 UTC
From: Lemon Tree <bitterlemon40@yahoo.ie>
Message-ID: <8403287a-ff9c-4565-94e9-ef1ecda0cc0a@u10g2000prl.googlegroups.com>
Source record: 512

How difficult are transistor with an Ft of 5GHz to use? There are
some really cheap ones around these days like the 2sc3356 for
example. I'd like to some to make a regenerative receiver but I worry
that even after careful PCB layout I would still have problems.
Anyway I am starting a new website where I intend to present many
useful circuits. It is located at http://circuitprofile.scienceontheweb.net
At the moment there is only XOR circuit, but that XOR circuit should
be helpful for anyone making a huff and puff stabilized oscillator
circuit.

703. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-28 18:27:32 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111281324280.9601@darkstar.example.net>
Source record: 513

On Mon, 28 Nov 2011, Lemon Tree wrote:

> How difficult are transistor with an Ft of 5GHz to use? There are
> some really cheap ones around these days like the 2sc3356 for
> example. I'd like to some to make a regenerative receiver but I worry
> that even after careful PCB layout I would still have problems.
> Anyway I am starting a new website where I intend to present many
> useful circuits. It is located at http://circuitprofile.scienceontheweb.net
> At the moment there is only XOR circuit, but that XOR circuit should
> be helpful for anyone making a huff and puff stabilized oscillator
> circuit.
>
But why?

Cheap really high frequency transistors are great, when you need very high frequency characteristics.

But there are also plenty of cheap transistors that don't go so high in frequency that are more than good enough at lower frequencies.

Those "lesser" transistors have to be more available than the really high frequency transistors.

Take note that a lot of "popular" transistors are that way because they've been specified in construction articles, which in turn causes the parts places to carry them, which then also means others specify them in construction articles.

Michael VE2BVW

704. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-28 21:10:16 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <1268fa98-0b83-4321-b73b-81daafb59ea0@h37g2000pri.googlegroups.com>
Source record: 514

On Nov 28, 7:44 am, Lemon Tree <bitterlemo...@yahoo.ie> wrote:
> How difficult are transistor with an Ft of 5GHz to use? There are
> some really cheap ones around these days like the 2sc3356 for
> example. I'd like to some to make a regenerative receiver but I worry
> that even after careful PCB layout I would still have problems.
> Anyway I am starting a new website where I intend to present many
> useful circuits. It is located athttp://circuitprofile.scienceontheweb.net
> At the moment there is only XOR circuit, but that XOR circuit should
> be helpful for anyone making a huff and puff stabilized oscillator
> circuit.

I hacked a short monopole antenna plus antenna preamp with an NEC
20GHz FET on 1.6mm thick FR4 material, and it worked pretty well. I
needed to have a very linear phase response (20MHz to 2GHz) and it
took some work to get the bypassing right; there was a source resistor
to develop the needed gate bias voltage, and getting it bypassed
correctly kept me busy for a while. One result of the project was
that I became much less afraid to try things like that, though. I
didn't have any stability problems. I used 0402 size parts, mostly
because they fit together better with the transistor than 0603, though
I really don't relish working with things as small as 0402.

I agree with Michael that you should avoid using transistors that have
much higher Ft's than you need, but maybe you're thinking of a 1GHz
regen receiver.

With regard to the parts that places like DigiKey and Mouser and other
authorized distributors stock: I seriously doubt that any homebrew
projects are going to have much effect on what they stock. It's the
parts that are bought for production, by the reel, or at least by
hundreds for some of the more exotic parts, that get their attention.
If you see them with a stock of 10,000 or more of something, you can
bet they didn't get them because they got some orders from random
homebrewers.

Cheers,
Tom

705. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-29 05:01:46 UTC
From: Michael Black <et472@ncf.ca>
Message-ID: <Pine.LNX.4.64.1111281934440.9998@darkstar.example.net>
Source record: 515

On Mon, 28 Nov 2011, K7ITM wrote:

> With regard to the parts that places like DigiKey and Mouser and other
> authorized distributors stock: I seriously doubt that any homebrew
> projects are going to have much effect on what they stock. It's the
> parts that are bought for production, by the reel, or at least by
> hundreds for some of the more exotic parts, that get their attention.
> If you see them with a stock of 10,000 or more of something, you can
> bet they didn't get them because they got some orders from random
> homebrewers.
>
But in the old days, it did matter. When there were local parts stores, and small mail order places. Why were there all those 2N706s specified for a long time, until 2N2222s became common? People still specify "1N34" when what they are really specifying is a germanium small signal diode, much of the time people didn't really care what the part number was, I seem to recall ads just saying "germanium diodes".

Even today, there is a relatively small handful of components specified, albeit a more recent selection.

I have no idea what came first. Did whoever used the 2N706 first look through databooks and find something "right" and then buy some, or did it start with going to the parts store and finding what was available? But as I said, once the parts were in the construction articles, those were the parts you'd see in the ads, back when the ads were the full line of what was carried, or a good part of it. Those places didn't carry a full line, they carried what would sell, so they'd carry what was being specified in the construction articles.

If you look at the UK or European magazines, you'd see the same small subset of parts being used, albeit a different set of specific devices.

It still holds true with a place like Dan's Small Parts. He has the familiar FETs, a dozen or so types of small signal bipolar transistors, unless he ends up with some overstock of some "exotic" device that's more or less like the common devices. He doesn't carry endless ICs, so he does pick to match what is commonly used. It's not a good place for exotic components or a wide range of components, but for non-digital projects it's a better place than many, since they carry radio type components like variable capacitors, so it often avoids orders to multiple places.

The flip side is that in keeping to a small selection of common parts, one can keep those in stock at home, and be able to throw together a lot of things on whim. Who doesn't have some 2N3055s and 2N2222s and 2N3906s and MPF102s?

It was a different era. The hobby suppliers worked as middlemen between the distributors and the hobbyists. The distributors often didnt' want to deal with small orders. So new places rose up that would buy in bulk and sell in small quantities to hobbyists. Since they were small companies in themselves, they couldn't afford to buy large quantities of lots of parts, so they picked the popular ones.

I remember about 1974 wanting some "new" ICs, the MC4044P and the MC1648 and the old style parts stores didn't carry things like that yet (and wouldn't, they'd start disappearing in a few years), so the only way was to go through a complicated procedure to get them from the local Hamilton Avnet distributor. And it seemed at the time that they weren't the general distributors such as Mouser, if you needed some other company's parts that they weren't a distributor for, you'd have to go to some other distributor that did carry the line. You'd look in the phone book and someone would be a distributor for Motorola, another for RCA and so on.

When Active Electronics opened up, it was a big deal because they were carrying multiple lines, and were sort of willing to deal with the hobbyist (initially we'd fill out a form, then it would get sent back to the warehouse to be filled, but slowly they prepackaged components and it was self serve for the common ones). It was sort of like the old parts stores, except carrying more leading edge components. But even when a wider variety of parts was available from places like that, we'd all stick to more or less the same handful of parts.

Digikey is an example of all this. Started out selling a keyer kit, they started selling parts and if I'm remembering properly, there was a period when they listed all or most of their stock in their magazine ads. Then they grew and grew more, going from a small company catering to hobbyists with a select number of devices, to being a major source of parts from a wide range of companies, and really dealing with selling to other companies, but still having some sort of reasonable policy for the small time buyer.

Michael VE2BVW

706. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-29 09:07:59 UTC
From: Rob <nomail@example.com>
Message-ID: <slrnjd987f.oet.nomail@xs8.xs4all.nl>
Source record: 516

Michael Black <et472@ncf.ca> wrote:
> On Mon, 28 Nov 2011, K7ITM wrote:
>
>
>> With regard to the parts that places like DigiKey and Mouser and other
>> authorized distributors stock: I seriously doubt that any homebrew
>> projects are going to have much effect on what they stock. It's the
>> parts that are bought for production, by the reel, or at least by
>> hundreds for some of the more exotic parts, that get their attention.
>> If you see them with a stock of 10,000 or more of something, you can
>> bet they didn't get them because they got some orders from random
>> homebrewers.
>>
> But in the old days, it did matter. When there were local parts stores,
> and small mail order places. Why were there all those 2N706s specified
> for a long time, until 2N2222s became common? People still specify "1N34"
> when what they are really specifying is a germanium small signal diode,
> much of the time people didn't really care what the part number was, I
> seem to recall ads just saying "germanium diodes".

In a local homebrewing magazine, they started to use some generic
specifiers for small signal transistors and diodes, and there was a
table in the magazine that listed a number of different types that one
could use.

TUN = Transistor Universal NPN
TUP = Transistor Universal PNP
DUS = Diode Universal Silicium
DUG = Diode Universal Germanium

I think some hobbyists would just go to the store for "5 TUN, 3 DUS"
and get what they needed.

707. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-29 22:33:43 UTC
From: K7ITM <k7itm@msn.com>
Message-ID: <487f15ac-6fe4-464a-8e93-f8abc44fc459@cc2g2000vbb.googlegroups.com>
Source record: 517

On Nov 28, 9:01 pm, Michael Black <et...@ncf.ca> wrote:
> On Mon, 28 Nov 2011, K7ITM wrote:
> > With regard to the parts that places like DigiKey and Mouser and other
> > authorized distributors stock: I seriously doubt that any homebrew
> > projects are going to have much effect on what they stock. It's the
> > parts that are bought for production, by the reel, or at least by
> > hundreds for some of the more exotic parts, that get their attention.
> > If you see them with a stock of 10,000 or more of something, you can
> > bet they didn't get them because they got some orders from random
> > homebrewers.
>
> But in the old days, it did matter. When there were local parts stores,
> and small mail order places. Why were there all those 2N706s specified
> for a long time, until 2N2222s became common?
...
Hey, I'm just guessing here, but I'd bet that the 2N706 ("High speed
logic switch," says the data sheet I brought up) was used by the
hundreds of thousands, maybe by the millions, by computer
manufacturers and other industrial/military electronics suppliers back
in the pre-integrated circuit days. That made them inexpensive and
readily available, and on the surplus market. Remember
"PolyPaks" (sp?)? I still have the 30MHz universal counter I built
out of PolyPaks parts, including Nixie tubes. I certainly had no
illusions about me and hobby people like me driving the market for
parts. I remember having a distinct impression at the time that the
hobbyist parts companies bought what they could get their hands on for
very low cost and sold what they could to us geeks. There's a supply-
side reason a lot of those companies were located in the Boston tech
corridor, Silicon Valley, or the L.A. aerospace zone. Yes, certainly
some of them bought stock of things they could move from distributors,
but I still don't see that the hobbyists drove what parts became the
standards.

The people designing ICs these days do it so they can sell large
quantities of them. That means getting them designed into reasonably
high volume products, and that's NOT the hobby or ham market. Heck,
the stuff I design professionally is never sold in high enough volume
to warrant design of any electronics parts 'specially for it, and it's
produced in higher volume than any but the highest volume ham gear--
orders of magnitude more volume than any homebrew projects.

Perhaps we're looking at this from completely different viewpoints.
I'm looking at it from the point of view of a company that makes and
sells, say, semiconductors. From that point of view, you don't ask
how many the hobby market will buy--you find markets that need

millions of parts. If you're successful, you don't mind that a tiny fraction of those parts end up in hobby projects, but when the main market dries up, you are unlikely to continue making wafers of that part just to supply homebrewers.

That's not to say the home experimenter or low-volume industrial user has no impact on the large (or smaller) semiconductor manufacturer, by the way. I know that feedback from a ham trying to get low phase noise, who happened to discover a problem with a particular chip, had a significant effect on the manufacturer of that chip. I know that my own feedback to a very large semiconductor manufacturer caused them to discover a furnace problem and they shut down that line to fix it. I know that my feedback to the semiconductor product planners that come by occasionally has some effect on what they decide to do because they respect that what we do is pretty much cutting-edge, but the ideas would never see the light of day if they don't see a significant market for the resulting products (and that market is never going to be because of things I design, for sure).

Cheers,
Tom

708. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-30 10:50:50 UTC
From: highlandham <highlandham.nospam@rfburns.eu>
Message-ID: <jb51qbvsj1@dont-email.me>
Source record: 518

On 29/11/11 05:01, Michael Black wrote:
> On Mon, 28 Nov 2011, K7ITM wrote:
>
>
>> With regard to the parts that places like DigiKey and Mouser and other
>> authorized distributors stock: I seriously doubt that any homebrew
>> projects are going to have much effect on what they stock. It's the
>> parts that are bought for production, by the reel, or at least by
>> hundreds for some of the more exotic parts, that get their attention.
>> If you see them with a stock of 10,000 or more of something, you can
>> bet they didn't get them because they got some orders from random
>> homebrewers.
>>
> But in the old days, it did matter. When there were local parts stores,
> and small mail order places. Why were there all those 2N706s specified
> for a long time, until 2N2222s became common? People still specify
> "1N34" when what they are really specifying is a germanium small signal
> diode, much of the time people didn't really care what the part number
> was, I seem to recall ads just saying "germanium diodes".
>
> Even today, there is a relatively small handful of components specified,
> albeit a more recent selection.
>
> I have no idea what came first. Did whoever used the 2N706 first look
> through databooks and find something "right" and then buy some, or did
> it start with going to the parts store and finding what was available?
> But as I said, once the parts were in the construction articles, those
> were the parts you'd see in the ads, back when the ads were the full
> line of what was carried, or a good part of it. Those places didn't
> carry a full line, they carried what would sell, so they'd carry what
> was being specified in the construction articles.
>
> If you look at the UK or European magazines, you'd see the same small
> subset of parts being used, albeit a different set of specific devices.
>
> It still holds true with a place like Dan's Small Parts. He has the
> familiar FETs, a dozen or so types of small signal bipolar transistors,
> unless he ends up with some overstock of some "exotic" device that's
> more or less like the common devices. He doesn't carry endless ICs, so
> he does pick to match what is commonly used. It's not a good place for
> exotic components or a wide range of components, but for non-digital
> projects
> it's a better place than many, since they carry radio type components like
> variable capacitors, so it often avoids orders to multiple places.

>
>
> The flip side is that in keeping to a small selection of common parts,
> one can keep those in stock at home, and be able to throw together a lot
> of things on whim. Who doesn't have some 2N3055s and 2N2222s and 2N3906s
> and MPF102s?
>
> It was a different era. The hobby suppliers worked as middlemen between
> the distributors and the hobbyists. The distributors often didnt' want to
> deal with small orders. So new places rose up that would buy in bulk and
> sell in small quantities to hobbyists. Since they were small companies
> in themselves, they couldn't afford to buy large quantities of lots of
> parts, so they picked the popular ones.
>
> I remember about 1974 wanting some "new" ICs, the MC4044P and the MC1648
> and the old style parts stores didn't carry things like that yet (and
> wouldn't, they'd start disappearing in a few years), so the only way was
> to go through a complicated procedure to get them from the local
> Hamilton Avnet distributor. And it seemed at the time that they weren't
> the general distributors such as Mouser, if you needed some other
> company's parts that they weren't a distributor for, you'd have to go to
> some other distributor that did carry the line. You'd look in the phone
> book and someone would be a distributor for Motorola, another for RCA
> and so on.
>
> When Active Electronics opened up, it was a big deal because they were
> carrying multiple lines, and were sort of willing to deal with the
> hobbyist (initially we'd fill out a form, then it would get sent back to
> the warehouse to be filled, but slowly they prepackaged components and
> it was self serve for the common ones). It was sort of like the old
> parts stores, except carrying more leading edge components. But even
> when a wider variety of parts was available from places like that, we'd
> all stick to more or less the same handful of parts.
>
> Digikey is an example of all this. Started out selling a keyer kit, they
> started selling parts and if I'm remembering properly, there was a
> period when they listed all or most of their stock in their magazine
> ads. Then they grew and grew more, going from a small company catering
> to hobbyists with a select number of devices, to being a major source of
> parts from a wide range of companies, and really dealing with selling to
> other companies, but still having some sort of reasonable policy for the
> small time buyer.
>
> Michael VE2BVW
>
==========
In the UK we must be lucky having a number of 1-2 band small parts
suppliers (usually also being radio amateurs) having a good selection of
solid state and electronic-mechanical components , like Modecomponents
and JAB Electronics .

They also accept Paypal . Moreover the GQRP Club sells a number of popular RF components to members.
Hence ,no problems with getting components .

Frank GM0CSZ / KN6WH

709. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-30 11:52:28 UTC
From: brisk brisk <6brisk@gmail.com>
Message-ID: <4c1900e7-e313-40fe-9d18-4b1bcb02caeb@g7g2000vbd.googlegroups.com>
Source record: 519

online form filling jobs
http://onlinejobsprocess.weebly.com

710. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-11-30 16:10:09 UTC
From: Nomen Nescio <nobody@dizum.com>
Message-ID: <a0c1800b58f4216400593f5e25035d8a@dizum.com>
Source record: 520

highlandham <highlandham.nospam@rfburns.eu> wrote:

Do you find it necessary in the UK to quote entire posts including mostly
irrelevant bits just in order to post a few lines then?

711. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-01 05:56:14 UTC
From: coffelt2 <coffelt2@comcast.net>
Message-ID: <ad6dnRSUZomeikrTnZ2dnUVZ5rqdnZ2d@giganews.com>
Source record: 521

Back in the day.... mid 1960's, I helped out at a service shop in
Goldsboro, NC,
and tried at first to get the shop boss to find a particular transistor or
diode to
complete a repair. He referred me to three cigar boxes. One was for power
transistors, mixed types, another for small signal NPN's, and last for small
signal PNP's. A glass jar held small signal diodes and for larger power
diodes,
I was shown the "back room" where a huge pile of defunct radio, tape player,
TV and
CB radios lie. Help yourself, kid!

Old Chief Lynn, W7LTQ

712. Crossposting Permitted to rec.radio.amateur.moderated

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-01 07:00:02 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/moderated/crossposting-1-1322722801@panix.com>
Source record: 522
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/moderated/crossposting
Revision: 1.2 2011/11/02 04:08:53
Posting-Frequency: posted monthly
URL: http://www.panix.com/~rram/usenet/rram/index.html

Changes followed by "|".

After a 30-day public discussion and feedback period to gauge reader
opinions in March of 2009:

http://groups.google.com/group/rec.radio.amateur.moderated/browse_thread/thread/d7d337db35
f23326

the rec.radio.amateur.moderated Moderation Team had decided to consider |
amending its charter, and permit limited simultaneous crossposting to
rec.radio.amateur.moderated and one other unmoderated
amateur-radio-related discussion newsgroup. After a successful trial |
period (90 days, through early July 2009), we decided to adopt this |
change permanently. |

Approved rec.radio.amateur.* newsgroups are those that are currently
listed in the latest version of the "List of Big Eight Newsgroups" which
is crossposted monthly to news.announce.newgroups, news.groups, and
news.lists.misc.

Approved alt.radio.amateur.* and alt.ham-radio.* newsgroups are those
that have been created consistent with the suggestions in "So You Want
to Create an Alt Newsgroup" at:

http://www.faqs.org/faqs/alt-creation-guide/

Approved regional hierarchy newsgroups are those that contain either
"radio.amateur" or "ham-radio" in their names, including
uk.radio.amateur and aus.radio.amateur.misc.

We will make every reasonable effort to keep our list of approved
newsgroups up-to-date. In case we have overlooked any, and a submission
is rejected in error as a result, the rejected submitter can E-mail us
at our administrative contact address (in the signature at the bottom of
this article, and the default Reply-To for the rejection message)
requesting that it be added, and that the article be approved. We may
still choose to reject articles crossposted to any alt.* newsgroup with
an inappropriate name, including obscene language, embedded
name-calling, or encouragement of unlawful conduct.
```

Please direct any comments, questions, or criticisms to
rec-radio-amateur-moderated-request@panix.com.

713. Realistic Scanning Receiver for sale

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-02 01:10:34 UTC
From: Henry <wa0goz@arrl.net>
Message-ID: <jb98i7sft2@dont-email.me>
Source record: 523

I have a Realistic PRO-2003 AM/FM scanning receiver for sale. It is in very good shape and comes with the manual. I'm asking $45 plus postage for it. You may contact me off the newsgroup.

Thanks

Henry

714. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-05 14:13:17 UTC
From: KBa <kba@nic.fi>
Message-ID: <4k4Dq.1699$Ci1.54@uutiset.elisa.fi>
Source record: 524

On 28.11.2011 17:44, Lemon Tree wrote:
> How difficult are transistor with an Ft of 5GHz to use? There are
> some really cheap ones around these days like the 2sc3356 for
> example. I'd like to some to make a regenerative receiver but I worry
> that even after careful PCB layout I would still have problems.
> Anyway I am starting a new website where I intend to present many
> useful circuits. It is located at http://circuitprofile.scienceontheweb.net
> At the moment there is only XOR circuit, but that XOR circuit should
> be helpful for anyone making a huff and puff stabilized oscillator
> circuit.

In most cases high Ft transistors are ok in lower frequency
applications, high Ft means they have current gain which is flat in
frequency and is still some near 1 at Ft.
Oscillations are probably one chance if low frequency design allows
feedback or is not bandwidth limited.

One way out of these is to add extra loss at high frequencies which
lowers gain and lessen probability for oscillations.
Resistor 10..47ohm at collector (base) or tiny ferrite bead has high
impedance at high frequencies but don't affect low frequency
amplification significantly.

In most cases these values need experiments if needed at all, as
instability depends gain used and feedback available.

Gl Kari B

715. SOUTH INDIAN HOT ACTRESS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-06 06:50:08 UTC
From: sharu <sharanya9030@gmail.com>
Message-ID: <285da81e-c7db-4eaf-bd66-e2501fe5a32c@v5g2000yqn.googlegroups.com>
Source record: 525

FOR GOOD JOBS SITES TO YOU
http://goodjobssites.blogspot.com/

4FRIENDS MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/12/4-friends-movie-stills.html
NANDEESWARUDU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/12/nandeeswarudu-movie-stills.html
HARI PRIYA HOT PHOTO STILLS
http://actressgallery-kalyani.blogspot.com/2011/12/haripariya-actress.html
SHRUTI HASSAN HOT IN 3 MOVIE
http://actressgallery-kalyani.blogspot.com/2011/11/shruti-hassan-in-3-movie.html
PANJA MOVIE LATEST STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/panja-movie-stills.html
URIMI LATEST MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/urimi-movie-stills.html
NIPPU MOVIE WORKING STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/nippu-movie-stills.html
ROUDRAM MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/roudram-movie-stills.html
SIMHAPUTHRUDU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/simhaputhrudu-movie-stills.html
SOLO MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/solo-movie-stills.html
BEZAWADA MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/bezawada-movie-stills.html
RAJANNA MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/rajanna-movie-stills.html\
POOLARANGADU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/poolarangadu-movie-stills.html
ILEANA HOT STILLS IN NANBAN MOVIE
http://actressgallery-kalyani.blogspot.com/2011/11/nanban-movie-stills.html
PRIYUDU HOT ROMANTIC STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/priyudu-movie-stills.html
ADHINAYAKUDU LATEST MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/11/adhinayakudu-movie-stills.html
HOT KATRINA KAIF PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/katrina-kaif.html
AISHWARYA RAI HOT HQ PHOTO STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/aishwarya-rai.html
ASIN HOT PHOTO GALLERY
http://actressgallery-kalyani.blogspot.com/2011/09/asin.html
SAKUNI MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/10/sakuni-movie-stills.html
7TH SENSE MOVIE STILLS

http://actressgallery-kalyani.blogspot.com/2011/10/7th-sense-movie-stills.html
MOGUDU MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/mogudu-movie-stills.html
HANSIKA MATOWNI LATEST HOT STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/hansika-motwani.html
KAJAL AGARWAL HOT PHOTOS
http://actressgallery-kalyani.blogspot.com/2011/09/kajal-agarwal.html
TAMANNA SIRUTHAI HOT MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/siruthai-movie-stills.html
SNEHA HOT GOA MOVIE STILLS
http://actressgallery-kalyani.blogspot.com/2011/09/goa-movie-stills.html

FOR FAST UPDATES IN FILM INDUSTRY
http://allyouwants.blogspot.com/

FOR ONLY HOT GUYS SEE THIS
ANUSHKA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/anushka-hot.html
ADITI AGARWAL NEW ROMANTIC STILLS
http://hotactress-kalyani.blogspot.com/2011/12/aditi-agarwal-hot.html
PAYAL GHOSH HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/11/payal-ghosh-hot.html
RAGINI DWIVEDI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/12/ragini-dwivedi.html
PARVATHI MELTON LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/11/parvathi-melton-hot.html
SARAH JANE DIAS HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/11/sarah-jane-dias-hot.html
KAJAL AGARWAL HOT SAREE STILLS
http://hotactress-kalyani.blogspot.com/2011/11/kajal-agarwal-hot-in-saree.html
POONAM KAUR HOT ROMANTIC STILLS
http://hotactress-kalyani.blogspot.com/2011/11/poonam-kaur-hot.html
AMISHA PATEL LATEST HOT BIKINI STILLS
http://hotactress-kalyani.blogspot.com/2011/08/amisha-patel-hot.html
TRISHA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/trisha-hot.html
CHARMI LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/charmi-hot.html
PRIYAMANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/priyamani-hot.html
KAJAL AGARWAL LATEST HOT WITHOUT TOP
http://hotactress-kalyani.blogspot.com/2011/08/kajal-agarwal-hot-photos.html
SAMANTHA LATEST HOT STILLS
http://hotactress-kalyani.blogspot.com/2011/09/samantha-hot.html
SNEHA ULLAL HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/sneha-ullal-hot.html
ANJALI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/anjali-hot.html
HANSIKA MOTWANI HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/10/hansika-motwani-hot.html
PRANITHA LATEST HOT PHOTOS

http://hotactress-kalyani.blogspot.com/2011/09/pranitha-hot.html
HOT KATRINAKAIF WALLPAPERS
http://hotactress-kalyani.blogspot.com/2011/08/katrina-kaif-hot.html
HOT MALLU ACTRESS BHAMA
http://hotactress-kalyani.blogspot.com/2011/09/bhama-hot.html
TOLLYWOOD HOT ACTRESSES
http://hotactress-kalyani.blogspot.com/2011/08/hot-actrsess.html
SONAKSHI SINHA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/09/sonakshi-sinha-hot.html
PRIYANKA CHOPRA LATEST HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/priyanka-chopra-hot.html
LATEST AMISHA PATEL HOT PICS
http://hotactress-kalyani.blogspot.com/2011/08/amisha-patel-hot.html
TAPSEE DIFFERENT STILLS
http://hotactress-kalyani.blogspot.com/2011/08/tapsee-hot.html
TAMANNA HOT PHOTOS
http://hotactress-kalyani.blogspot.com/2011/08/tamanna-hot.html

716. Seeking New FAQ/Intro Maintainers for rec.radio.amateur.*

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-07 07:05:01 UTC
From: rram@panix.com
Message-ID: <radio/ham-radio/recruitment-1-1323241500@panix.com>
Source record: 526
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.info

```
Posted-By: auto-faq 3.3.2 beta (PGPMoose V2.0, Perl 5.005)
Archive-name: radio/ham-radio/recruitment
Revision: 1.2 2009/11/25 14:41:01
Posting-Frequency: posted monthly
URL: http://www.faqs.org/faqs/radio/personal-intro/

Changes followed by "|".

The rec.radio.info newsgroup, first established in 1993, has been
recently revived by an active moderation team. We are currently seeking
suitable information, FAQ, and bulletin articles from the entire
rec.radio.* newsgroup hierarchy for simultaneous cross-posting to our
newsgroup.

We are seeking a replacement maintainer for the following information
bulletin formerly posted to rec.radio.amateur.* (and currently archived
at http://www.faqs.org/faqs/radio/personal-intro/ ):

radio/personal-intro
Subject: Guide to the rec.radio Newsgroups
Maintainer: jeffreyh@Hawaii.Edu (Jeffrey Herman)
Last Posted: 9 Nov 2001 06:18:17 GMT
Posting-Frequency: 15th of each month

One significant omission, requiring immediate updates, for this article |
is that it does not mention newer amateur radio newsgroups created since |
it was written, including: |

rec.radio.amateur.antenna |
rec.radio.amateur.boatanchors |
rec.radio.amateur.dx |
rec.radio.amateur.equipment |
rec.radio.amateur.homebrew |
rec.radio.amateur.moderated |
rec.radio.amateur.space |

We are willing to provide any technical support necessary to get this
article updated and automatically posted again at a regular interval.
This would include establishing contact with the original maintainer for
any necessary permissions. We would prefer to seek a new, dedicated
maintainer at this time, rather than start auto-posting the original
article ourselves.

For more information about our newsgroup, see:
```

http://www.panix.com/~rram/usenet/rri/index.html

Please direct any comments, questions, or criticisms to
rec-radio-info-request@panix.com.

717. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-09 11:40:16 UTC
From: ajar 5 <ajar250@gmail.com>
Message-ID: <2d4444cb-75ef-452f-8c90-cc8b90d2d798@n22g2000prh.googlegroups.com>
Source record: 527

online from filling jobs
http://onlinejobsprocess.weebly.com/

718. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-09 11:40:40 UTC
From: ajar 5 <ajar250@gmail.com>
Message-ID: <f8463631-1acf-4e4b-a041-5e49b6f0a50c@u1g2000prl.googlegroups.com>
Source record: 531

online from filling jobs
http://onlinejobsprocess.weebly.com/

719. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-09 11:41:13 UTC
From: ajar 5 <ajar250@gmail.com>
Message-ID: <7042b421-97c5-4f92-9800-b2651ab32010@v24g2000prn.googlegroups.com>
Source record: 528

online from filling jobs
http://onlinejobsprocess.weebly.com/

720. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-09 11:41:36 UTC
From: ajar 5 <ajar250@gmail.com>
Message-ID: <64b72843-26f4-4e3f-95a9-3ed73fcb4339@u10g2000prl.googlegroups.com>
Source record: 529

online from filling jobs
http://onlinejobsprocess.weebly.com/

721. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-09 11:42:02 UTC
From: ajar 5 <ajar250@gmail.com>
Message-ID: <0ce14093-7447-4ee5-ad90-eb87a6b58bc8@g1g2000pri.googlegroups.com>
Source record: 530

online from filling jobs
http://onlinejobsprocess.weebly.com/

722. online form filling jobs

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-09 11:43:15 UTC
From: ajar 5 <ajar250@gmail.com>
Message-ID: <86bd41c0-8219-4d88-b376-cdd9ea903d2c@r13g2000prr.googlegroups.com>
Source record: 532

online from filling jobs
http://onlinejobsprocess.weebly.com/

723. BEST 10 HOT SEXY VIDEOS AND MASALA KISS PHOTOS

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-12 10:24:48 UTC
From: 0432167FGSDFS <22gbngbfgbb@gmail.com>
Message-ID: <1f12186b-eb16-4776-9697-19f466b3aae8@r16g2000prr.googlegroups.com>
Source record: 533

VERY VERY VERY HOT HOT HOT ONLY HOT
http://acresesandmodels.blogspot.com/2011/06/real-kiss-hot-videos.html

HOT HOT LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/hot-for-youth.html
SUPER HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-101.html
YOUTH HOT PHOTOS
http://hotvideosfreesee.blogspot.com/2010/06/hot-lip-kiss-12.html
ONLY HOT HOT
http://hotvideosfreesee.blogspot.com/2010/06/supr-hot-never-seen.html
SUPER HOT NEVER SEEN
http://hotvideosfreesee.blogspot.com/2010/06/supe-r-hot-kiss-op.html
HEROINE LIP KISS
http://hotvideosfreesee.blogspot.com/2010/06/kajal-best-lip-kiss.html

for mopre hot videos
http://allvideosforyouth.blogspot.com/2010/08/super-hot-lip-kiss.html

jobs
http://alljobsaywhere.blogspot.com/

mobile

mobile games free download
http://mobileallinforation.blogspot.com/2010/08/mobile-games-free-download.html

mobile ringtones free download
http://mobileallinforation.blogspot.com/2010/08/mobile-ringtones-free-download.html

724. Re: Ft 5GHz transistor

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-25 01:24:14 UTC
From: Lemon Tree <bitterlemon40@yahoo.ie>
Message-ID: <c290045d-7971-43f6-9863-e5f3b03a871f@j1g2000prn.googlegroups.com>
Source record: 534

.Thanks for all the feedback. I am interested in the low base diffusion capacitance aspect as this has important effects on a regenerative receiver.

725. Regenerative Radio Receiver Book

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-25 01:26:44 UTC
From: Lemon Tree <bitterlemon40@yahoo.ie>
Message-ID: <43f93288-a5db-4d46-a262-9166818a99a0@d6g2000pra.googlegroups.com>
Source record: 535

I have written a short book on regenerative receiver that I have
available here:
http://www.vendio.com/stores/newproducts
and here:
http://www.webstore.com/Regenerative-Radio-Receiver-Book,name,13720412,auction_id,auction_details

I also have some negative resistance circuits and other things here:
http://code.google.com/p/lemontree/downloads/list

726. twi version of chris brown's i should have kissed you

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-31 10:48:09 UTC
From: kwame oleur <mikbaah@gmail.com>
Message-ID: <f28f7400-7ee0-4246-a66c-b2c483de155b@d8g2000vbb.googlegroups.com>
Source record: 536

http://youtu.be/EukneiFKym0

727. Cleaning bookshelves: data books, anyone?

Newsgroup: rec.radio.amateur.homebrew
Date: 2011-12-31 21:12:25 UTC
From: K7ITM <k7itm@msn.com>
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I'm getting tired of looking at all the old data books on my shelves
that I seldom/never use. Anyone interested in such things? My
collection is mostly semiconductor: Motorola, TI, National, ... I
can recycle them for free, but if someone wants to pick them up or pay
for shipping plus some nominal charge for packing them, I'd be happy
to get rid of them that way.

Cheers,
Tom